

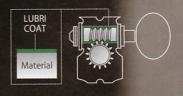


G GOTOH® technical innovation



LUBRI-COAT™

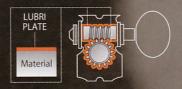
With a "Solid Lubrication Coat", regular oil has been eliminated keeping the lubrication where it is needed for the life of the tuning machine heads. It is now enhanced with a GOTOH original anti-transformable lubrication oil and this reduces the friction between the gears resulting an ultra smooth feel minimal back lash and unrivalled tuning stability.





LUBRI-PLATE™

Taking the concept of solid lubrication to an even higher-level Gotoh have developed a new process of application for their exclusive "510" and "X" series gears. By creating a "Complex lubricating plating layer", surface of all the moving gears have been coated through an Electro Plating process and are now enhanced with GSP that is a GOTOH original polymer compound specifically formulated to work with Gotohs LUBRI-COAT.



With a "Solid Lubrication Coat", oil has been eliminated keeping the lubrication where it is needed for the life of the tuning machine heads.



ROCK-SOLID™ STRING POST

Next time you change your strings, before you put on your new set, take a look at your tuning machine head posts. See how they move from rock side to side! This has been a problem with tuning machine heads since they were invented. Now GOTOH introduce

"Rock-Solid"™ String posts.







It can result in an unique appearant for life no matter what your instrum is subject to water or any dirts.

After developing the revolutionary "Lubri-Plate" lubrication process, further experimenting revealed other assets of this unique application. Gotoh have used this to create "X-Finish" $^{\text{TM}}$.

Due to its' natural properties "X-Finish "™

will keep your chosen instrument performing better for longer.

Please note: Color may be subject to change after a long period of use.

This does not affect its performance

and can result in a very pleasing "Aged / Vintage "appearance.

Gotoh's "X-finish" combined with "Lubri-Plate" is designed to reduce poor performance of the worm gears by lubrication with oil or grease to a minimum keeping your instrument looking like new and performing better for longer.



X-Series gears finished in "X" FINISH

" X " series (finish: XN/XC/XG)

Guitar Machine Heads

SG-510Series · SE-510seris · SE-700Series · SD-510Series

Planetary Banjo Tuners

SPBJ-4 · SPBJ-5

Bass Guitar Machine Heads

RES-O-LITE Series
GB350 · GB640 · GB728 · GB528S

Tremolo Units

EV510T · EV510TS

Guitar Bridges

GTC510 · 510FA · 510FB · 510UB

Bass Bridges

J510SJ/BO/AO · 404SJ/BO/AO · 303SJ/BO/AO



G GOTOH®

Gotoh SG-Series, SE-Series and SD-Series feature Rock-Solid™ string post (except for a few models) and have 5 kinds of post variation, Standard, Magnum Lock (MG)®, H.A.P.®, H.A.P.A. and H.A.P.M. which you can choose. It gives unrivalled tuning stability for Vibrato equipped guitars. Gotohs advanced technology and developing spirit have greatly won the confidence of many guitar builders in the world.





H.A.P. [Height Adjustable Post] PAT.

Gotoh H.A.P is the world first system that enables you to adjust string post height as you like.

Creating the perfect down pressure over a guitars nut is a complex balance between Headstock angle and Tuning machine head post height selection.

Height adjustable posts take away tha guesswork by allowing you to dial in the exact angle you need for, friction, string pressure/tension and open string sound and sustain. Ideal for flat style peg heads when string trees need to be eliminated.









MG[MAGNUM LOCK[®]] PAT.

Gotoh Magnum Lock is the ultimate string locking system with simple and steady mechanism.

Eliminating the "string wraps" around tuning machine head posts is a great asset when keeping vibrato-equipped guitars in tune without the use of troublesome clamps and fine tuners. By locking the string on the post, only half a turn is required to bring most strings up to pitch, allowing the string to return to its' original position after bending or slackening off during dive bombing. The device is selflocking(string is clamped in place by the simple act of tuning to pitch). Tuning stability is taken to a new level with the introduction of the "Rock-Solid"™ String posts on selected Tuning machine heads with Magnum-lock feature.





H.A.P.®-A PAT.

Guitars with angle back peg-heads can sometimes benefit from slightly less pressure at the nut. HAP-A tuning machine heads are designed to adjust the string anchor point away from the face of the headstock allowing you to select the perfect angle and feel.





H.A.P.®-M PAT.

Combining the ability of post height adjustment with the Magnum lock feature gives a machine head that is the perfect choice for flat peg-head style guitars equipped with a Vibrato. Removing the string tree on this type of guitar is essential for tuning stability, couple this with the advantage of a locking string post(eliminating string wraps)and you have the ultimate set up.





Always follow the instructions in the instruction manual/leaflet.



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Electric and Acoustic Guitar Machine Heads

SG-510 Series



SGS510



SGS510 SGS510MG SGS510H.A.P SGS510H.A.P.A SGS510H.A.P.M















| Finishes | C.GG.CK.XN.XC.XG |
|------------|------------------|
| Gear ratio | 1:15 |
| e.g. | SGS510-S5-L HAPM |
| | SGS510-B07-R HAP |
| | SGS510-L5 |



SGS510Z



SGS510Z SGS510ZMG SGS510ZH.A.P SGS510ZH.A.P.A SGS510ZH.A.P.M







| Finishes | C.GG.CK.XN.XC.XG |
|------------|-------------------|
| Gear ratio | 1:18 |
| e.g. | SGS510Z-EN07 |
| | SGS510Z-BS5-L HAP |
| | SGS510Z-P7-L MG |





SGL510 SGL510MG SGL510H.A.P SGL510H.A.P.A SGL510H.A.P.M



| Finishes | C.GG.CK.XN.XC.XG |
|------------|------------------|
| Gear ratio | 1:18 |
| e.g. | SGL510-P2 |
| | SGL510-L5 HAPA |
| | SGI 510-I 5 MG |



SGL510Z



SGL510Z SGL510ZMG SGL510ZH.A.P SGL510ZH.A.P.A SGL510ZH.A.P.M













Finishes C.GG.CK.XN.XC.XG Gear ratio 1:21 SGL510Z-L5

SGL510Z-EN01 MG SGL510Z-P1 HAPM



SGV510



SGV510 SGV510MG SGV510H.A.P SGV510H.A.P.A SGV510H.A.P.M









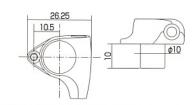






Finishes C.GG.CK.XN.XC.XG Gear ratio 1:18 e.g. SGV510-L5 SGV510-P1 MG





SGV510Z





SGV510Z SGV510ZMG SGV510ZH.A.P SGV510ZH.A.P.A SGV510ZH.A.P.M

SGV510-EN01 HAPA











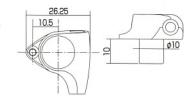


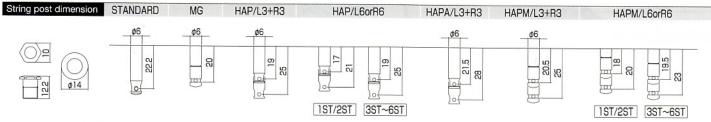


Finishes C.GG.CK.XN.XC.XG Gear ratio 1:21 SGV510Z-BL5 HAP

SGV510Z-S5 SGV510Z-L5 HAPM







SG-510 Series BUTTON OPTION

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 50%)























































SG503



SG503/SG503MG SG503H.A.P.A SG503H.A.P.A

| Finishes | C.GG.CK |
|------------|---|
| Gear ratio | 1:15 |
| e.g. | SG503-07-L SG503-01 MG SG503-05P2-L HAP |
| | |













| | SG503H.A.P.M | | | / | | 21.9 | |
|-----------|------------------|---------|------|---|-------|-------------------|----------|
| nishes | C.GG.CK | C Burns | | | | \$ \ \(\omega \) | |
| ear ratio | 1:15 | | | | | | J ((()) |
| g. | SG503-07-L | | | | (·) | V, W. | φ10 |
| | SG503-01 MG | | | | | | ۲ |
| | SG503-05P2-L HAP | | | | | \ | |
| | | | | | | | |





SG301/SG301MG SG301H.A.P SG301H.A.P.A SG301H.A.P.M

| Finishes | C.GG.CK |
|------------|----------------|
| Gear ratio | 1:18 |
| e.g. | SG301-20 |
| | SG301-M01 HAPA |
| | SG301-04 MG |

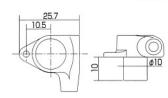












SG360



SG360/SG360MG SG360H.A.P SG360H.A.P.A SG360H.A.P.M

| Finishes | C.GG.CK |
|------------|-----------------|
| Gear ratio | 1:14 |
| e.g. | SG360-EN07-R |
| | SG360-01 |
| | SG360-P8-L HAPM |





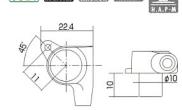
SG381



SG381/SG381MG SG381H.A.P SG381H.A.P.A SG381H.A.P.M

| Finishes | C.GG.CK |
|------------|----------------|
| Gear ratio | 1:16 |
| e.g. | SG381-P1 |
| | SG381-05-L MG |
| | SG381-B20 HAPA |





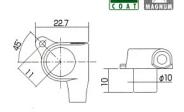
SGM

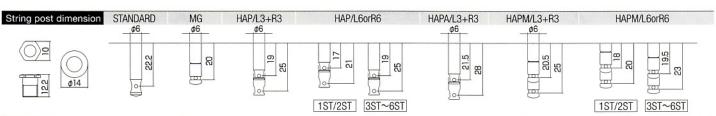


SGM **SGMMG**

| Finish | С |
|------------|-------------------------------------|
| Gear ratio | 1:16 |
| e.g. | SGM-05P1-L SGM-07-L MG SGM-20 |







SG Series BUTTON OPTION

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 50%)

























































05P1









Electric and Acoustic Guitar Machine Heads SE510 Series • SD510 Series

Open backed tuners have sometimes been criticized for not having the same smooth performance has sealed gear tuners due to the fact that their post can sometimes bind on the bushings that guide the post through the headstock face. "Gotoh have eliminated this problem by combining the post collar found on enclosed gears onto the base plate of the open gear allowing the post to perfectly align itself with the bushing that attaches the gear to the headstock. Combining Rock-solid technology with this new method of attachment has created the ultimate open back tuners.



SE510





SE510 SE510MG SE510H.A.P SE510H.A.P.A

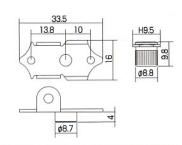








| Finishes | N.C.GG.CK.XN.XC.XG |
|------------|--------------------|
| Gear ratio | 1:15 |
| e.g. | SE510-06M |
| | SE510-P5W HAPA |



SE510M



SE510M SE510MMG SE510MH.A.P SE510MH.A.P.A



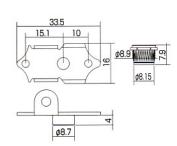






| Finishes | N.C.GG.CK.XN.XC.XG |
|------------|--------------------|
| Gear ratio | 1:15 |
| e.g. | SE510M-05M MG |
| | SE510M-M5 |





SE510W





SE510W SE510WMG SE510WH.A.P SE510WH.A.P.A



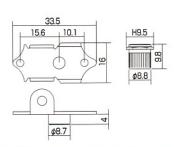






| Finishes | N.C.GG.CK.XN.XC.XG |
|------------|-----------------------------|
| Gear ratio | 1:15 |
| e.g. | SE510W-SL HAP SE510W-06M |
| | SE510W-06M |







SES510 SES510MG SES510H.A.P



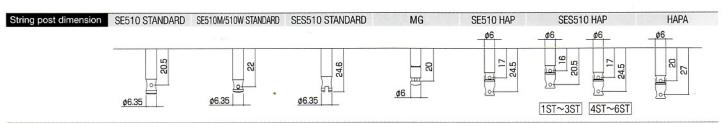






| 1000 | |
|------------|--------------------------------|
| Finishes | N.C.GG.CK.XN.XC.XG |
| Gear ratio | 1:15 |
| e.g. | SES510-05M-L MG SES510-B5-R |
| | SES510-B5-R |





SE700







| Finishes | N.C.GG.CK.XN.XC.XC |
|------------|--------------------|
| Gear ratio | 1:15 |
| e.g. | SE700-06M |
| | SE700-SL MG |





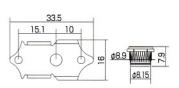






| Finishes | N.C.GG.CK.XN.XC.XG |
|------------|--------------------|
| Gear ratio | 1:15 |
| e.g. | SE770-05M |
| | SE770-M5 |



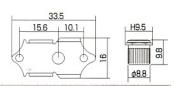






| Finishes | N.C.GG.CK.XN.XC.XG |
|------------|--------------------|
| Gear ratio | 1:15 |
| e.g. | SE780-SLB |
| | SE780-06M |











| Finishes | N.C.GG.CK.XN.XC.XG |
|------------|-------------------------------|
| Gear ratio | 1:15 |
| e.g. | SE701-05MA-L SE701-P5R-LMG |



| String post dimension | SE700 STANDARD | SE770/780 STANDARD | SE701 STANDARD | SE700/701MG |
|-----------------------|----------------|--------------------|----------------|-------------|
| | φ7.5 | φ7.5 | φ7.5 | φ7.5 |
| | 20.5 | 22 | 2 54.6 | 2 00 |
| | | | | . = |
| | φ6.35 | φ6.35 | φ6.35 | φ6 |

SE-510/SE Series BUTTON OPTION

 $Choose the button from \ listed \ below \ when \ order for \ machine \ head \ is \ placed. (actual \ size \ ratio: about 50\%)$



















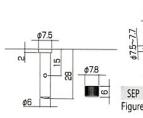


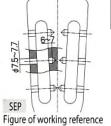


for Slotted Head

SEP700 SEP770 SEP780









SD510



SD510 SD510MG SD510H.A.P SD510H.A.P.A SD510H.A.P.M





SDS510



SDS510 SDS510MG SDS510H.A.P SDS510H.A.P.M



Finishes N.GG.CK.XN.XC.XG Gear ratio 1:15 e.g. SDS510-05M-L SDS510-B5-L MG



| String post dimension | SD510 STANDARD | SDS510 STANDARD | MG | SD510 HAP | SDS510 H | HAP | HAPA | SD510 HAPM | SDS510 HAPM |
|-----------------------|----------------|-----------------|----|--------------|---|---------|-------|------------|-----------------|
| | φ6.35 | φ6.35 | φ6 | _ φ 6 | | φ6 | _φ6 | ø 6 | |
| | 19.5 | 24.6 | 50 | 17 | 92 sc 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 126~TST | 20 27 | 18.5 | 1ST~3ST 4ST~6ST |

SD Series

SD90



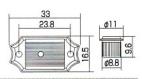
SD90 SD90MG SD90H.A.P SD90H.A.P.A SD90H.A.P.M

| Finishes | N.GG.CK |
|------------|--------------|
| Gear ratio | 1:15 |
| e.g. | SD90-SL |
| | SD90-SLB HAP |









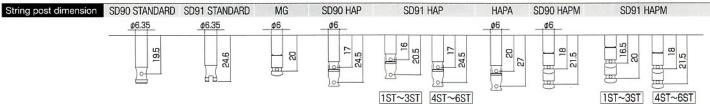
SD91



SD91 SD91MG SD91H.A.P SD91H.A.P.M







SD-510/SD Series BUTTON OPTION

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 50%)























05M

05MA

05MP2

SL

SLB

P5W

P5R

Planetary Banjo Tuners

Developed by a new idea from "Gotohs" high processing technology. Tuning performance has greatly enhanced in comparison to the one existing in the past and gear feels so smooth. Especially 5th peg is a super banjo tuner as many problems experienced in the past have been improved tremendously.



SPBJ-4



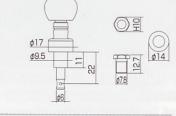
| Finishes | N.C.GG.XN.XC.XG |
|------------|------------------------|
| Gear ratio | 1:4 |
| e.g. | SPBJ-4-AI |
| | SPBJ-4-AI SPBJ-4-PW |

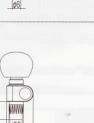
SPBJ-5



| Finishes | N.C.GG.XN.XC.XG |
|------------|------------------------|
| Gear ratio | 1:13 |
| e.g. | SPBJ-5-PW SPBJ-5-AI |







ø10

SPBJ BUTTON OPTION

Choose the button from listed below when order for machine head is placed. (actual size ratio: about 50%)



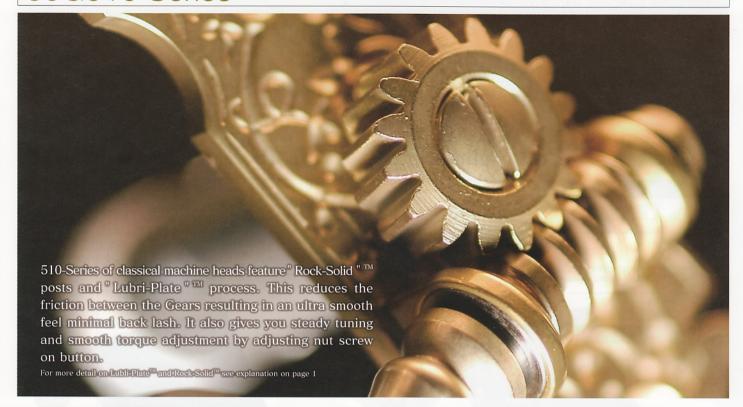


GOTOH Display Package



Classic Guitar Machine Heads

35G510 Series



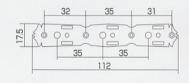
35G510CF

35G510CF 35AR510CF 35P510CF



| Finishes | XN.XG.XCK |
|------------|----------------------------|
| Gear ratio | 1:16 |
| e.g. | 35G510CF-BM 35AR510CF-P |

Hand carving





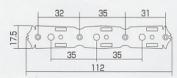
35G510MI

35G510MF 35AR510MF 35P510MF



| Finishes | XN.XG.XCK |
|------------|----------------------------|
| Gear ratio | 1:16 |
| | 35G510MF-M 35AR510MF-EN |







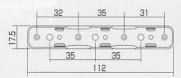
35G510AM

35G510AM 35AR510AM 35P510AM



| Finishes | XN.XG.XCK | |
|------------|----------------------------|--|
| Gear ratio | 1:16 | |
| e.g. | 35G510AM-BB 35P510AM-KM | |
| Material | Hard Aluminum | |

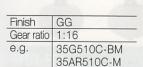




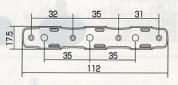


35G510C

35G510C 35AR510C 35P510C



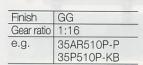




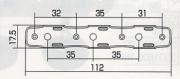


35G510P

35G510P 35AR510P 35P510P







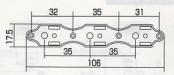


35G510QC

35G510QC 35AR510QC 35P510QC

| Finish | MTG |
|------------|--------------|
| Gear ratio | 1:16 |
| e.g. | 35G510QC-KM |
| MI | 35AR510QC-EN |







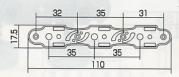
35G510S

35G510S 35AR510S 35P510S

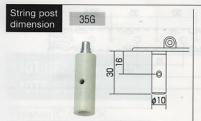


| Finishes | N.CK.XN.XG |
|------------|------------|
| Gear ratio | 1:16 |
| e.g. | 35G510S-2R |
| | 35P510S-BB |

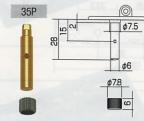


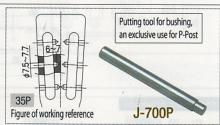












35G510 Series BUTTON OPTION

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 50%)

















35G6500/1800/1600/620 equip "Rock-Solid"™ String posts as standard.

For detailed information on "Rock-Solid" M String posts see page 1

**For 35P tuning machine heads with P-Post, some modification to your guitars headstock may be necessary. See drawing for details.

35G6500 35P6500

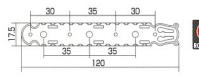
Finish SB Gearratio 1:14 35G6500-BB e.g. 35G6500-2W

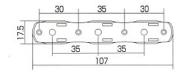


35G1800 35P1800

| Finish | SB |
|------------|--------------------------|
| Gear ratio | 1:14 |
| e.g. | 35G1800-2M |
| | 35G1800-2M 35P1800-1W |









35G1600 35P1600

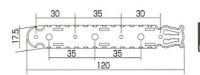
Finish GG Gearratio 1:14 e.g. 35G1600-2R 35G1600-1M

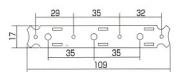


35G620 35P620

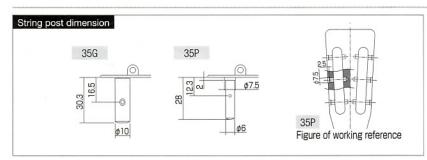
| Finish | GG |
|------------|-----------|
| Gear ratio | 1:14 |
| e.g. | 35P620-EI |
| | 35G620-EW |













Choose the button from listed below when order for machine head is placed. (actual size ratio: about 50%)



1W

2M





















35G420

35G420 35P420

Finish SG Gearratio 1:14



, -

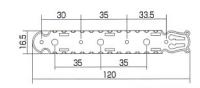
35

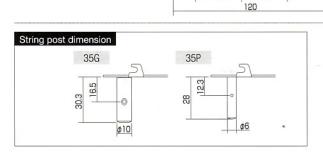
35

35G350 35P350

Finish N Gearratio 1:14







6.5

Mandolin Machine Heads

By incorporating many of the advances in technology developed for their Guitar and Bass tuners, Gotoh have dramatically improved the performance of their Mandolin Tuners. New button options have been introduced and Vintage style reverse gear tuners are also available.

MA40

| Finishes | N.GG |
|------------|----------|
| Gear ratio | 1:14 |
| e.g. | MA40R-MM |
| | MA40R-MP |



| | | 109 | .1 | 2 | |
|-----------|-----|------|------|------|---|
| 23 | 3.3 | 23.3 | 23.3 | 26.2 | |
| ψ <u></u> | | | | - V | - |

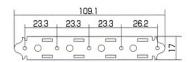
MA40R

| Finishes | N.GG |
|------------|----------------------|
| Gear ratio | 1:14 |
| e.g. | MA40R-MP MA40R-MB |
| | |

Reverse gearing

*Minimum production for 30 sets per color is required.



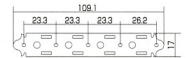




MF40

| Finishes | N.GG |
|------------|--------------------|
| Gear ratio | 1:14 |
| e.g. | MF40-MB MF40-MP |
| | MF40-MP |



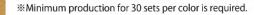




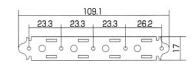
MF40R

| Finishes | N.GG |
|------------|----------|
| Gear ratio | 1:14 |
| e.g. | MF40R-MF |
| | MF40R-MN |
| | |

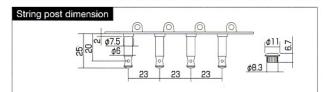
Reverse gearing











MA40/MF40 BUTTON OPTION

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 50%)



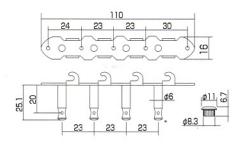




M120

Finishes N.GG Gear ratio 1:14

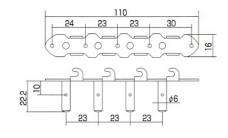




M120S

| | 1 |
|------------|------|
| Finishes | N.GG |
| Gear ratio | 1:14 |





Ukulele Evolution



UK12

| Finishes | N.GG |
|------------|----------------------|
| Gear ratio | 1:14 |
| e.g. | UK12-05MA UK12-B5 |
| | UK12-B5 |

Super lightweight peg manufactured in "RES-O-LITE"™

Gotohs commitment to improve all their products has lead to this major advance in the manufacture and design of Ukulele tuner pegs. Many models have benefited form Gotohs' "RES-O-LITE " material resulting in a much better balanced instrument due to less weight on the headstock. A new 1:14 gear ratio and tighter controls on production has resulted in a tuner with zero back lash and super smooth tuning.

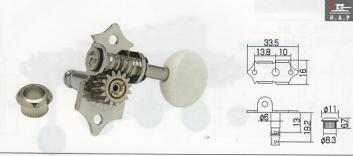


UK700

| Finishes | N.GG |
|------------|------------------------|
| Gear ratio | 1:15 |
| e.g. | UK700-M5 UK700-05MA |

High performance peg with H.A.P. system

Height adjustable string posts were first developed for Guitar tuners. By allowing string angles over the nut to be user selectable open string sound and tuning stability have been greatly enhanced. This technology is now available for Ukulele and can be fitted to headstocks varying in thickness from 9mm to 16mm.



UK12/700 BUTTON OPTION

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 50%).







| Finishes | N.GG | 357 |
|------------|------------------|-----|
| Gear ratio | 1:1 | 1 |
| e.g. | UKA-3W UKA-4B | 7/ |





Where Aluminum is used on these tuners nickel or gold plating is still employed so as to minimize marking of the shaft, due to string windings.

String tension causing de-tuning of strings due to reverse post movement is eliminated due to Gotoh's unique manufacturing techniques.

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 50%)









3W

3R

41

4B

UKB

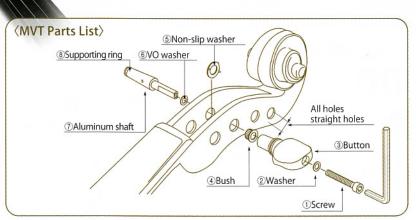
Finishes N.GG



Violin Tuner

GOTOH MVT(PAT.P) Feature

- •Peg holes are not tapered. It makes easy for violin/cello production as holes are made straight.
- Peg installment is easy without skilled hands by using assembling tool that is an option.
- Post is made of hard aluminum and string does not cut into it. It performs better for longer life.
- It gives you smooth fine tuning and torque adjustment of button can be done by user anytime.
- It has an appearance of traditional wooden peg and you can use it in the feeling without a sense of incongruity.





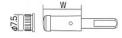
4/4~3/4 for Violin



MVT-440T Combination list

| No. W | 18mm | 17mm | 16mm | 15mm | 14mm | 13mm |
|-----------|------|------|------|------|------|------|
| MVT440T-A | 0 | 0 | 0 | 0 | | |
| MVT440T-B | | 0 | 0 | 0 | 0 | |
| MVT440T-C | | | 0 | 0 | 0 | 0 |

Please call us with the shaft No. if you need a special set which is not included in the normal set. (Example: MVT440T-18/16/15/13)



I-440T

MVT-440T Special assembling tool



MVT-120T

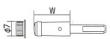
1/2~1/4 for Violin



MVT-120T Combination list

| No. W | 17mm | 16mm | 15mm | 14mm | 13mm | 12mm |
|-----------|------|------|------|------|------|------|
| MVT120T-A | 0 | 0 | 0 | 0 | | |
| MVT120T-B | | 0 | 0 | 0 | 0 | |
| MVT120T-C | | | 0 | 0 | 0 | 0 |

Please call us with the shaft No. if you need a special set which is not included in the normal set. (Example: MVT120T-17/15/13/12)



J-120T

MVT-120T Special assembling tool



MVT-MINI

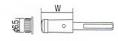
1/8~1/16 for Violin



MVT-MINI Combination list

| No. W | 15mm | 14mm | 13mm | 12mm | 11mm |
|------------|------|------|------|------|------|
| MVT-MINI-A | 0 | 0 | 0 | 0 | |
| MVT-MINI-B | | 0 | 0 | 0 | 0 |

Please call us with the shaft No. if you need a special set which is not included in the normal set. (Example: MVT-MINI-15/13/12/11)



J-MINI

MVT-MINI Special assembling tool



Series

| Weight companson (per pc.) | | | | | |
|----------------------------|---------------|-----------------------|-------|--|--|
| Go old m | toh iodels | RES-O-LITE™ series | | | |
| GB70 | 64.4g | GB350 | 40.0g | | |
| GB9 | 115.5g | GB640 | 66.9g | | |
| GB30 | 83.0g | GB528 | 59.2g | | |

RES-O-LITE Super lightweight bass machine heads.

Bass guitars by their very nature have always been neck heavy. This resulted form the early designs inheriting their tuners from the original double bass. With the advent of 5 and 6 string basses this unbalance was emphasized even more, making the bass uncomfortable to play for long sessions/performances you are building a new bass or improving one of the many classic models of the past, Gotohs' extensive range of traditional or contemporary bass tuners, manufactured in new RES-O-LITE™(aluminum alloy) should be your first choice.



GB350





C.GG.CK. XN.XC.XG Gear ratio 1:20

Plastic button(Plated)







N.GG.CK. XN.XC.XG Gear ratio 1:28

Left side only

GBR640







XN.XC.XG Gear ratio 1:28

Reverse wind / Left side only





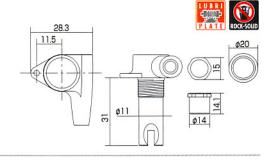
N.GG.CK. Finishes XN.XC.XG Gear ratio 1:26



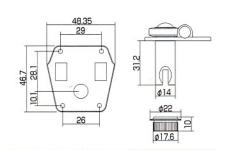


Finishes N.GG.CK. XN.XC.XG Gear ratio 1:26

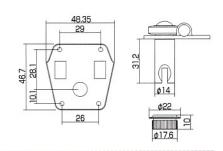




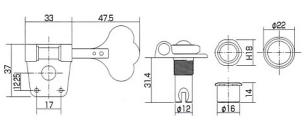




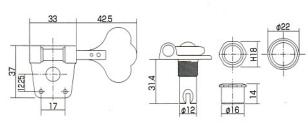












GBS510 are the ultimate "Top of the line "Gotoh bass Tuners. All models feature "Lubri-Plate "™ on gears and "Rock-Solid ™ post. String post has been increased in diameter by 1mm helping to transmit even more string vibration and resonance to the headstock. GB707 and its lightweight models GB720W/GB720B are Gotohs most popular series of contemporary design bass Tuners. Gears are coated in "Lubri-Coat" ™ and "Rock-Solid ™ string post that is now increased to 11mm diameter gives ultra stable tuning and smooth torque adjustment.



Finishes C.GG.CK Gear ratio 1:20

World design Pat.

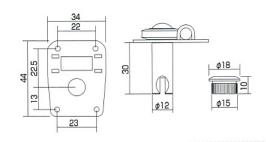
φ14

GB₁

111

Finishes N.GG.CK Gear ratio 1:21

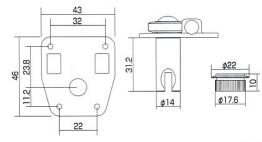




GR2

Finishes N.GG.CK Gear ratio 1:26

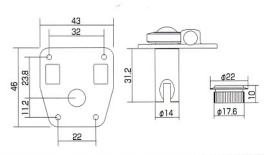




GB29

Finishes N.GG.CK
Gear ratio 1:26
Reverse wind



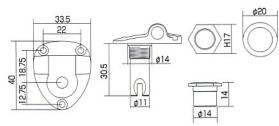


GB11W

111

Finishes C.GG.CK Gear ratio 1:20



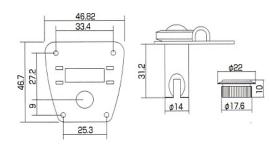


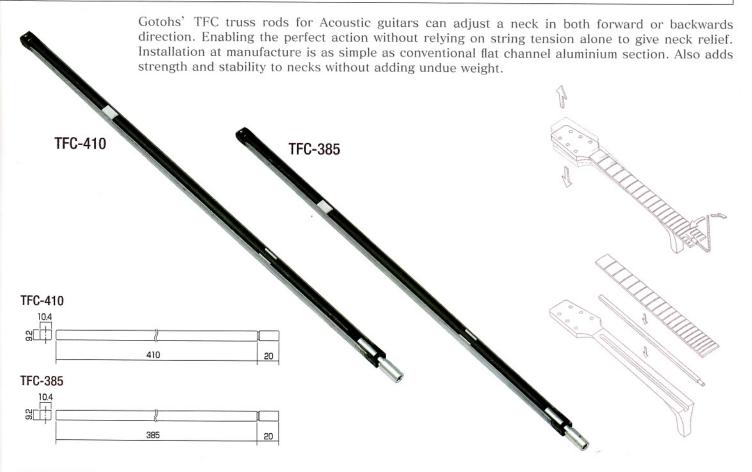
-B3

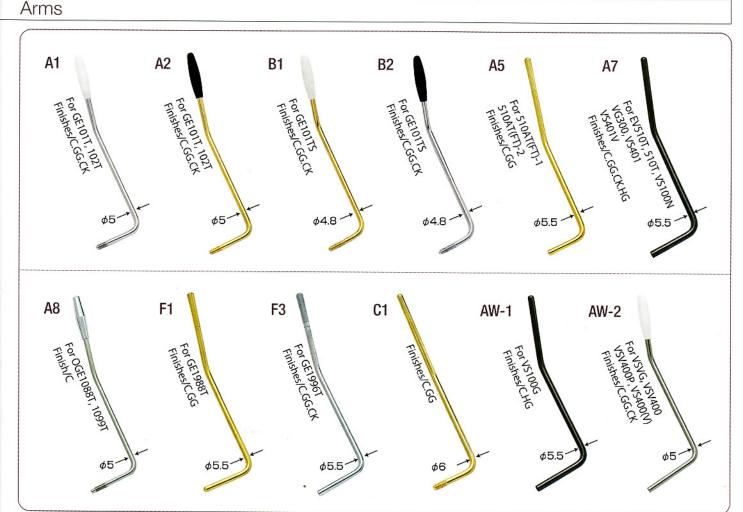
111

Finishes N.GG.CK Gear ratio 1:20







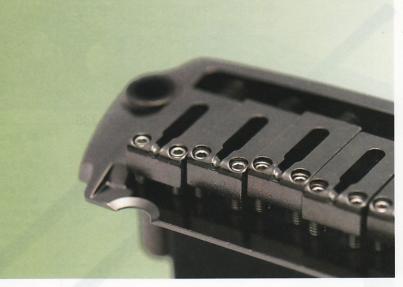


Finishes: N-Nickel, C-Chrome, GG-Gold, CK-Cosmo Black, HG-Honed Gold, XN-Excellent Nickel, XC-Excellent Chrome, XG-Excellent Gold

510 Series

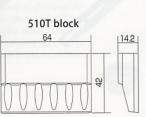
510T series Vibrato bridges have precision machined Chrome Molybdeunm Steel knife edges and top plates. Heat treated and case hardened to Rockwell 45 " C " scale these knife edges are made for long life and low wear giving years of trouble free use.

Unique design of block allows strings to contact saddle without touching the block(see illustration FST " patented ")this gives direct pressure on the intonation point of the saddle for better sustain and minimizes string " hang up " giving increased tuning stability.

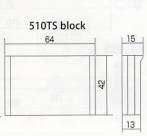












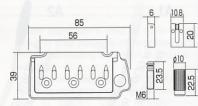
510TS features a Steel block, not FST function.

EV510T-SS EV510TS-SS



Finishes C.GG.CK.XN.XC.XG Stainless string guide, string pitch 10.8mm Stud lock-Pat.



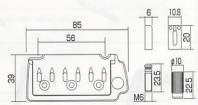


EV510T-FE EV510TS-FE



Finishes C.GG.CK.XN.XC.XG Steel saddle, string pitch 10.8mm Stud lock-Pat.



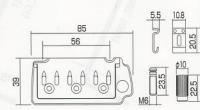


EV510T-SF EV510TS-SF



Finishes C.GG.CK.XN.XC.XG Steel saddle(sheet metal), string pitch 10.8mm Stud lock-Pat.

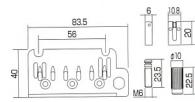




510T-SS1 510TS-SS1

Finishes C.GG.CK
Stainless string guide,
string pitch 10.8mm
Stud lock-Pat.

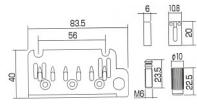




510T-FE1 510TS-FE1

Finishes C.GG.CK
Steel saddle, string pitch 10.8mm
Stud lock-Pat.

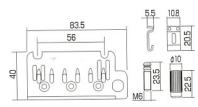




510T-SF1 510TS-SF1

Finishes C.GG.CK
Steel saddle(sheet metal),
string pitch 10.8mm
Stud lock-Pat.

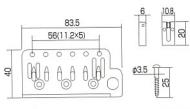




510T-SS2 510TS-SS2

Finishes C.GG.CK
Stainless string guide,
string pitch 10.8mm

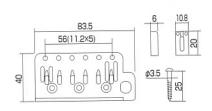




510T-FE2 510TS-FE2

Finishes C.GG.CK Steel saddle, string pitch 10.8mm

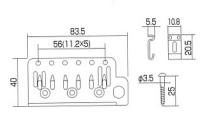




510T-SF2 510TS-SF2

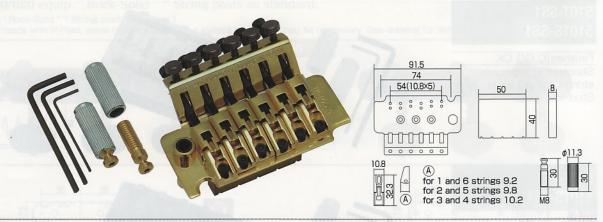
Finishes C.GG.CK
Steel saddle(sheet metal),
string pitch 10.8mm





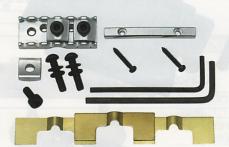
GE1996T

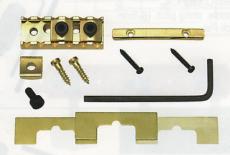
Finishes C.GG.CK Specially processed steel saddle, string pitch 10.8mm Stud lock-Pat.



FGR-1 FGR-2 GHL-1 GHL-2

Finishes C.GG.CK





FGR-1

14

GHL-1

GE101T

Finishes C.GG.CK
Steel saddle(sheet metal),
string pitch 11.3mm

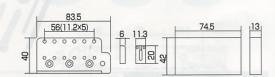




GE102T

Finishes C.GG.CK Steel saddle, string pitch 11.3mm





GE101TS

Finishes C.GG.CK Steel block Steel saddle(sheet metal) with U.S.A. threads screws, string pitch 11.3mm



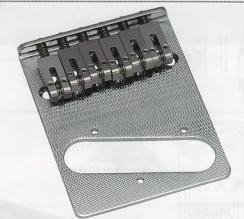


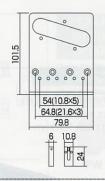
GTC510



Finishes C.GG.CK. XN.XC.XG

Stainless string guide, string pitch 10.8mm





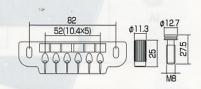
510UB



Finishes C.GG.CK. XN.XC.XG

Hard zinc saddle Stud lock-Pat.





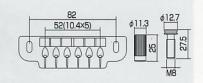
P510UF



Finishes C.GG.CK. XN.XC.XG

Plastic saddle Stud lock-Pat.





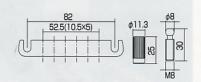
510FA



Finishes C.GG.CK. XN.XC.XG

Material/Aluminum Stud lock-Pat.





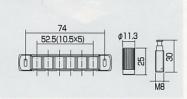
510FB



Finishes C.GG.CK. XN.XC.XG

Brass saddle Stud lock-Pat.



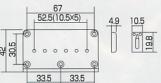


Guitar Bridges & Tailpieces

GTC101

Finishes C.GG.CK
Brass saddle,
string pitch 10.5mm

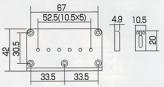




GTC102

Finishes | C.GG.CK | Steel saddle, string pitch 10.5mm





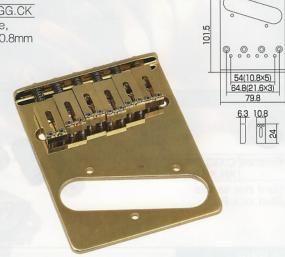
GTC201

Finishes C.GG.CK
Brass saddle,
string pitch 10.8mm



GTC202

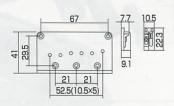
Finishes C.GG.CK Steel saddle, string pitch 10.8mm



GIUTZ

Finishes C.GG.CK
Hard zinc saddle,
String pitch 10.5mm
for 12-strings



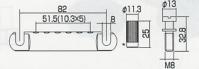


GE101Z

Finishes N.C.GG.

Material Zinc diecast

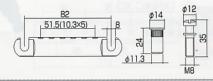


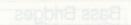


GE101Z-T

Finishes N.C.GG. CK Material Zinc diecast









GE101A-T

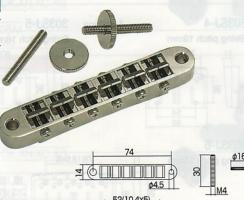
Finishes N.C.GG. CK Material Aluminum



GE103B

Finishes N.C.GG. CK

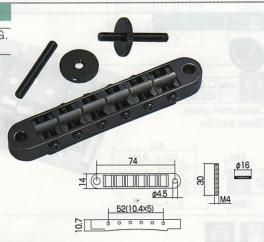
Hard zinc saddle



GEP103B

Finishes N.C.GG. CK

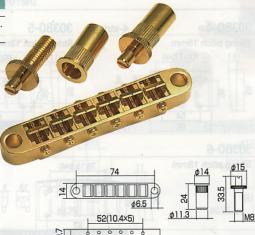
Plastic saddle





Finishes N.C.GG. CK

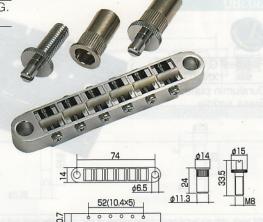
Hard zinc saddle



GEP103B-T

Finishes N.C.GG. CK

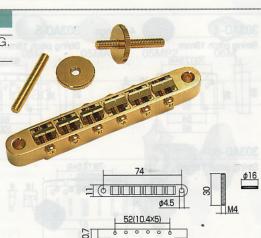
Plastic saddle



GE104B

Finishes N.C.GG. CK

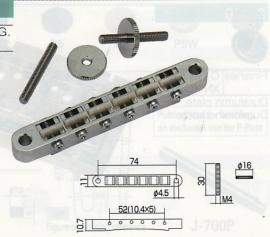
Hard zinc saddle



GEP104B

Finishes N.C.GG. CK

Plastic saddle



Guitar Bridges & Tailpieces

"Multi-Tonal" Series

303/404/J510 series of bass bridge assemblies allows bass players to "Dial in "their own individual sound that will suit their unique playing styles and sonic qualities of their chosen bass.

303 models have base-plates made from a specially blended Aluminum Alloy we call "RES-O-LITE" $^{\text{TM}}$. Due to the inherent "multi frequency" resonance transfer properties of "RES-O-LITE" $^{\text{TM}}$, a wider range of frequencies encompassing ground pounding bass to articulate highs are transmitted to the body of the guitar.

404/J510 have hard zinc base-plates that impart a flatter frequency response. This is sometimes preferred by bass players with active system where EQ can be adjusted to their specific needs.

Available saddle options "SJ" (Steel), "BO" (Brass) and AO ("RES-O-LITE" TM). Now you can design your own Bass Bridge for your unique sound. Never before has such a diverse "Tonal palette" been available for this most expressive of stringed instrument



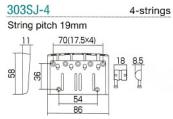
1303S.

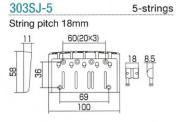


Finishes C.GG.CK. XN.XC.XG

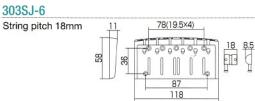
Duralumin plate, Steel saddle







6-strings



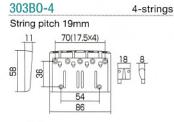
303BC

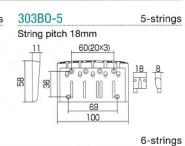


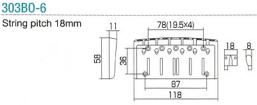
Finishes C.GG.CK. XN.XC.XG

Duralumin plate, Brass saddle







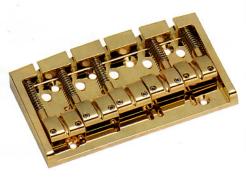


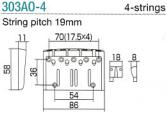
303A0

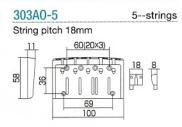


Finishes C.GG.CK. XN.XC.XG

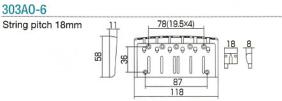
Duralumin plate, Duralumin saddle







6-strings





Finishes C.GG.CK XN.XC.XG

Hard zinc plate, steel saddle



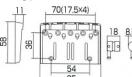
404SJ-4

4-strings

404SJ-5

5-strings

String pitch 19mm



String pitch 18mm 60(20×3) 18 8.5 10



Finishes C.GG.CK XN.XC.XG

Hard zinc plate, brass saddle



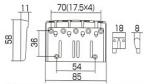
404B0-4

4-strings

404B0-5

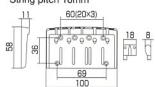
5-strings

String pitch 19mm



70(17.5×4)

String pitch 18mm





Finishes C.GG.CK. XN.XC.XG

Hard zinc plate, Duralumin saddle



404A0-4

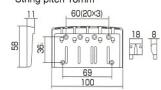
4-strings String pitch 19mm



404A0-5

5-strings

String pitch 18mm





Finishes C.GG.CK. XN.XC.XG

Hard zinc plate, Steel saddle



J510SJ-4

14.2 10.65

4

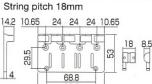
String pitch 19mm

4-strings

18 8.5

J510SJ-5

5-strings





Finishes C.GG.CK. XN.XC.XG

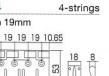
Hard zinc plate, brass saddle



J510B0-4

String pitch 19mm

10.65



J510B0-5

14.2 10.65

String pitch 18mm

24 24

68.8

5-strings



Finishes C.GG.CK. XN.XC.XG

Hard zinc plate, Duralumin saddle



J510A0-4

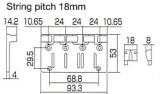
String pitch 19mm

4

4

4-strings

J510A0-5 5-strings



53.8

510B-4

String pitch 18mm

String pitch 19mm

12 6.1 18 18 18 15.9

12 6.1 19 19 19 18 16.9

13.5 66 76

3.5 70 80

510B-5

String pitch 18mm

12 6.1 18 36 18 15.9

3.5 84

5-strings

String pitch 19mm

12 6.1 19 38 19 16.9

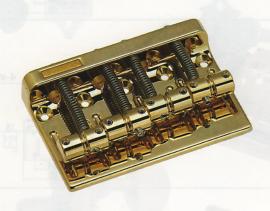
13.5 89

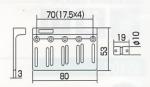
99

6-strings 510B-6 Production of 18mm and 19mm string spacing are available.

201B-4

Finishes C.GG.CK Brass saddle, string pitch 19mm

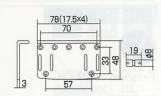




203B-4

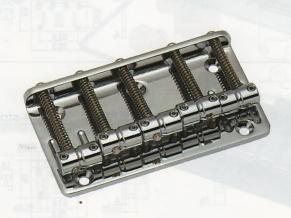
Finishes N.C.GG.CK Brass saddle, string pitch 19mm

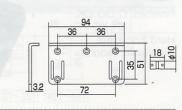




205B-5

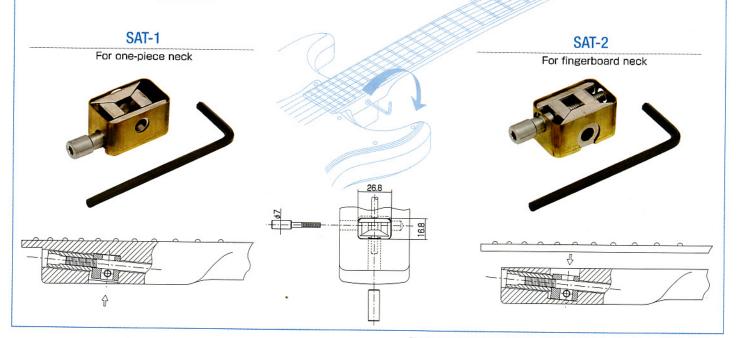
Finishes N.C.GG.CK 5-strings Brass saddle, string pitch 18mm





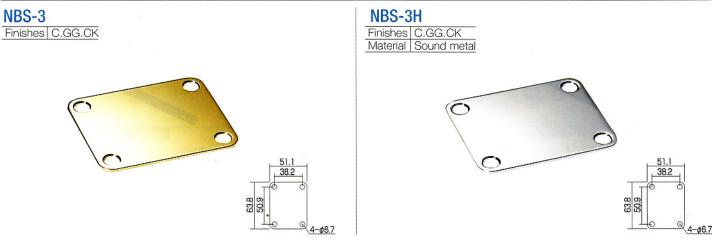


Gotohs' unique side adjusting truss rod is by far the easiest method for adjusting the relief in a guitar or bass neck. Old style heel adjusting truss rods require the neck to be removed from the body. Adjusters mounted at headstock can severly weaken a neck at this point of stress and can be difficult to adjust due to narrow spacing of strings. This truss rod is designed for installation at manufacture. It is not a retro-fit.

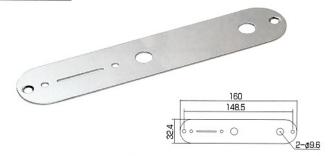


Free Lock Strap Pin EP-A1 Aluminum EP-B1 EP-B2 EPR-2 Finishes C.GG.CK Finishes N.C.GG.CK Finishes N.C.GG.CK EP-B3 EP-FR2 Finishes N.C.GG.CK Finishes N.C.GG.CK <u>φ4</u> φ7 φ3.6 String Bushing Jack Cover JCS-1 JCB-2 JCB-4 TLB-1 Finishes C.GG.CK Finishes C.GG.CK Finishes N.C.GG.CK Finishes C.GG.CK











GOTOH Original control knob of Artificial Material

Push in type with inside rubber bush

PKM-B1

with rubber ring





PKM-B3

with rubber ring





PKM-B5

with rubber ring





PKM-15







Push in type with inside rubber bush

PKB-B1

with rubber ring





PKB-B3

with rubber ring





PKB-B5

with rubber ring





PKB-15



PKB-18 φ18 9 9

φ8.3

Control Panel / Tension Bar / GOTOH Original control knob of Artificial Material / Dome Knob

Push in type with inside rubber bush

PKBB-B1

with rubber ring





PKBB-B3

with rubber ring





PKBB-B5

with rubber ring





PKBB-15







Dome Knob

VK1-18



Finishes C.GG.CK

VK1-19



VK2



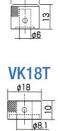
VK3







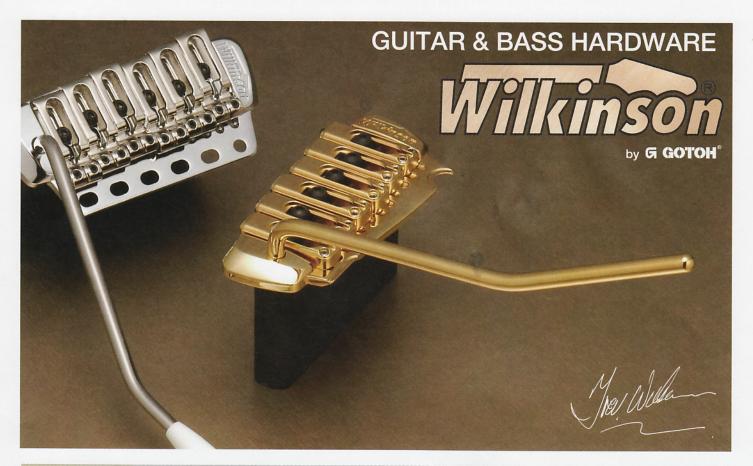
Finishes C.GG.CK



Battery Box BB-02 BB-04 BB-04W 34.5 String Retainer **RG15 RG30 RG105** RG130 **RB20 RB30** Finishes N.C.GG.CK Finishes Finishes Finishes Finishes Finishes N.C.GG.CK N.C.GG.CK N.C.GG.CK N.C.GG.CK N.C.GG.CK φ2.6 φ2.8 ம LO. Wrench Holder Spring Holder WRH-1 SPH WRH-1W 12.9 22 55 Spring **Power Spring** SP Vibrato bridge is balanced by string tension and coil **PSP** springs used for pulling its block and it is only by the power of coil springs to return to the original position after dive bombing of vibrato arm. It is important to have durable spring for all kinds of vibrato bridge and

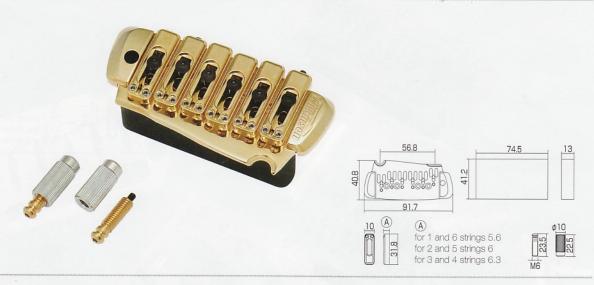
PSP power spring minimizes tuning instability by its

durability when using vibrato.



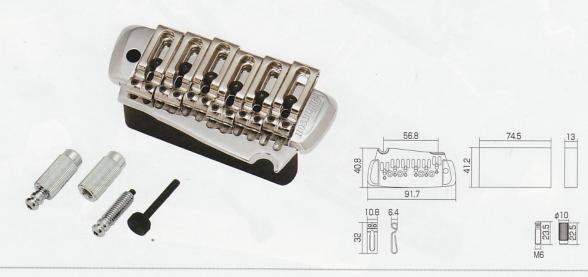
VS401

Finishes C.GG.CK String pitch 10.8mm Stud lock-Pat.



VS401V

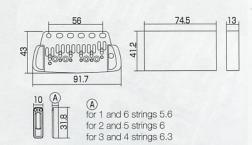
Finishes C.GG.CK String pitch 10.8mm Stud lock-Pat.





Finishes C.GG.CK
String pitch 10.8mm

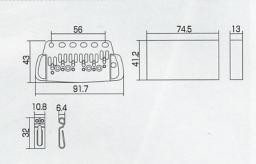




VSV400

Finishes C.GG.CK
String pitch 10.8mm

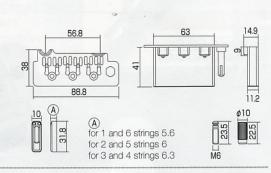




VS100N

Finishes HC.HG.HCK String pitch 10.8mm Stud lock-Pat.





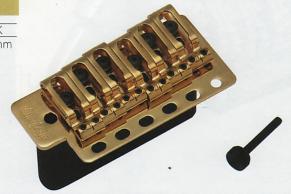
VG300

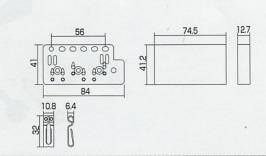
Finishes C.GG.CK String pitch 10.8mm Stud lock-Pat.



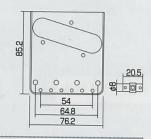
VSVG

Finishes N.GG.CK
String pitch 10.8mm





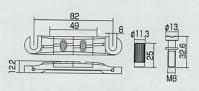




GTB200

Finishes N.C.GG.CK String pitch 10.8mm Stud lock-Pat.





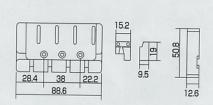


Neck side

WBBO 4

Finishes C.GG.CK String pitch 19mm

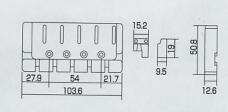




WBB0 5

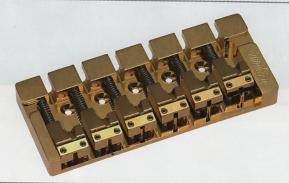
Finishes C.GG.CK String pitch 18mm

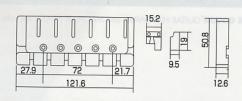


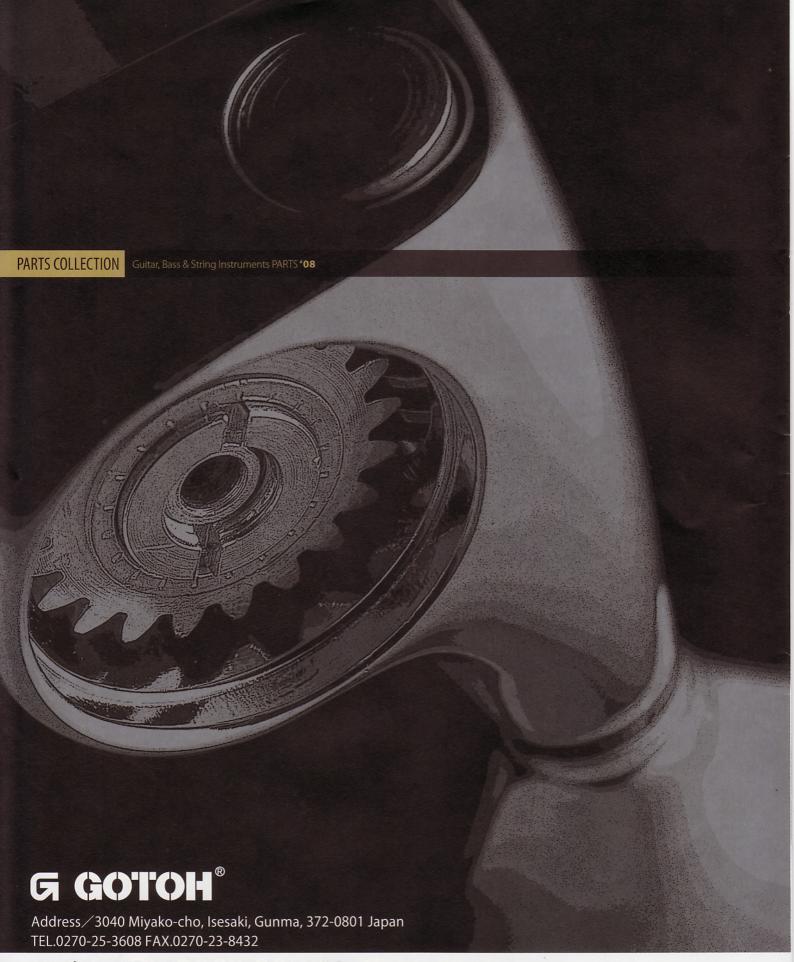


WBB0 6

Finishes C.GG.CK String pitch 18mm







G GOTOH GUITAR HARDWARE and MACHINE HEADS are sold and serviced by