

G GOTOH®

PARTS COLLECTION

Guitar, Bass & String Instruments PARTS '07

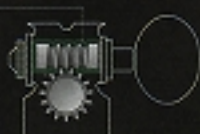
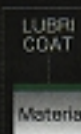


GOTOH technical innovation



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.



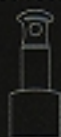
ROCK-SOLID™ STRING POST

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.

Usual string post



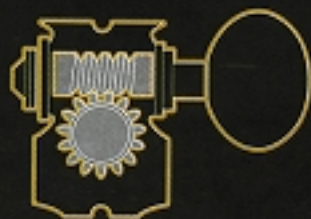
ROCK-SOLID



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"™. 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 this 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-510series • SE-700Series • SD-510Series
- Planetary Banjo Tuners
SPBJ-4 • SPBJ-5
- Bass Guitar Machine Heads
RES-O-LITE Series
GB350 • GB640 • GBR640 • GB528 • GB528S
- Tremolo Units
EV510T • EV510TS
- Guitar Bridges
GTC510 • 510FA • 510FB • 510UB
- Bass Bridges
J510SJ/BO/AO • 404SJ/BO/AO • 303SJ/BO/AO

It's the ultimate finish !
It can result in an unique appearance for life no matter what your instrument is subject to water or any dirt.



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. Gotoh's advanced technology and developing spirit have greatly won the confidence of many guitar builders in the world.

For more detail on Rock-Solid™ see explanation on page 1



Standard string post



H.A.P.® [Height Adjustable Post] PAT.

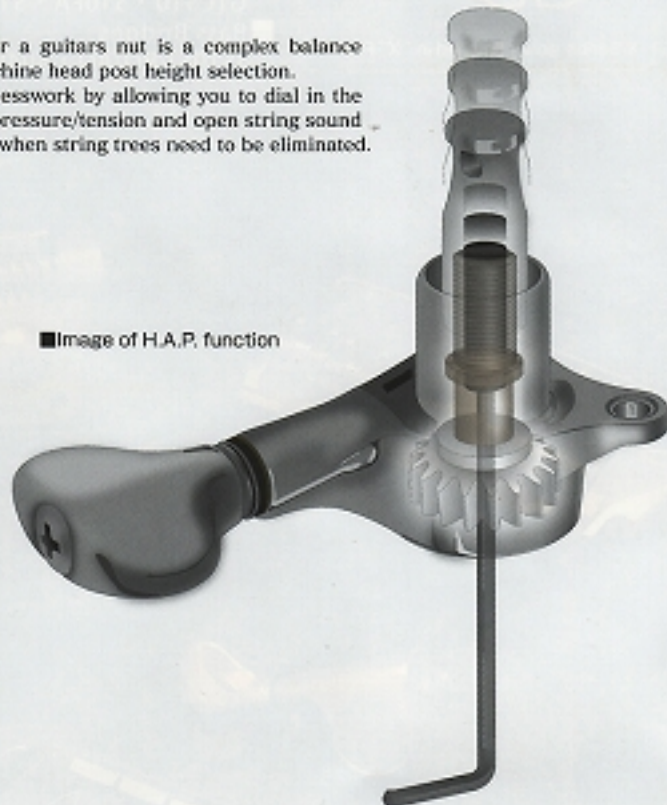
Gotoh H.A.P. is the world first system that enables you to adjust string post height as you like.

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 the 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.



H.A.P. String post

Image of H.A.P. function



Always follow the instructions in the instruction manual/leaflet.



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 self-locking(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.



Magnum-Lock string post



H.A.P.® -A PAT.

Guitars with angle back peg-heads can sometimes benefit from slightly less pressure at the nut. H.A.P.-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.-A String post



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.



H.A.P.-M String post

Guitar ➤  L3+R3  L6 for Right Hand  R6 for Left Hand
Bass ➤  L2+R2  L4 for Right Hand  R4 for Left Hand

contents

X-Finish	2
Guitar Machine Heads SG-510 Series / SG Series	5 - 7
Guitar Machine Heads SE510 / SE Series, SD510 / SD Series	8 - 11
Planetary Banjo Tuners	12
Classic Guitar Machine Heads	13 - 15
Mandolin Machine Heads Ukulele Peg	16 - 17
Violin Tuner	18
Bass Machine Heads	19 - 21
Two-way Truss Rod / Arms	22
Tremolo Units - 510 Series	23 - 24
Tremolo Units & Lock Nuts	25
Guitar Bridges & Tailpieces	26 - 28
Bass Bridges	29 - 31
Saddle Sets / Side Adjuster	32
Free Lock / Strap Pin / Jack Cover String Bushing / Neck Joint Plate	33
Control Panel / Tension Bar GOTOH Original control knob of Artificial Material Dome Knob	34
Battery Box / String Retainer Wrench Holder / Spring Holder Spring / Power Spring	35
Wilkinson by GOTOH Tremolo Units Guitar Bridges / Bass Bridges	36 - 38

Electric and Acoustic Guitar Machine Heads



SG-510 Series

Featuring "Rock-Solid" posts and "Lubri-Plate" (now enhanced with G.S.P.), G.S.P. is polymer compound specifically formulated to work with Gotohs. LUBRI-PLATE process creating even less friction between the gears giving ultra smooth feel and longer life to the gears. This reduces the friction between the Gears resulting in an ultra smooth feel minimal back lash and unrivalled tuning stability for Vibrato equipped guitars.

For more detail on "Lubri-Plate" and "Rock-Solid" see explanation on page 1

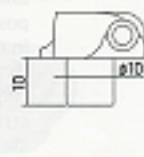
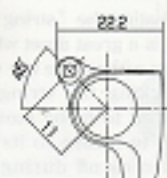
SGS510



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



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



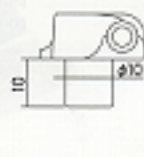
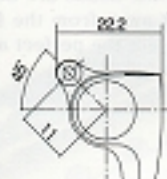
SGS510Z



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



Finishes	C.G.G.CK.XN.XC.XG
Gear ratio	1:18
e.g.	SGS510Z-EN07 SGS510Z-B55-L HAP SGS510Z-P7-L MG



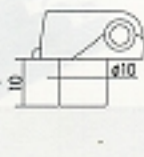
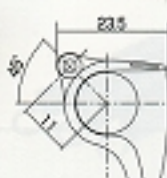
SGL510



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



Finishes	C.G.G.CK.XN.XC.XG
Gear ratio	1:18
e.g.	SGL510-P2 SGL510-L5 HAPA SGL510-L5 MG



SGL510Z



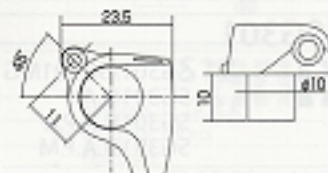
SGL510Z
SGL510ZMG
SGL510ZH.A.P
SGL510ZH.A.P.A
SGL510ZH.A.P.M



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

Gear ratio 1:21

e.g. SGL510Z-L5
SGL510Z-EN01 MG
SGL510Z-P1 HAPM



SGV510



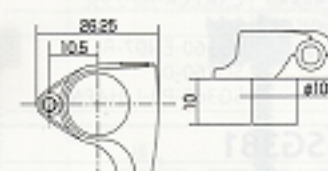
SGV510
SGV510MG
SGV510H.A.P
SGV510H.A.P.A
SGV510H.A.P.M



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

Gear ratio 1:18

e.g. SGV510-L5
SGV510-P1 MG
SGV510-EN01 HAPA



SGV510Z



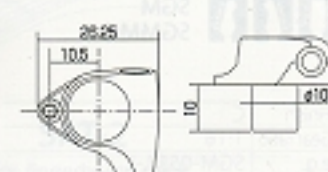
SGV510Z
SGV510ZMG
SGV510ZH.A.P
SGV510ZH.A.P.A
SGV510ZH.A.P.M



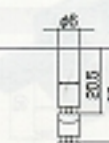
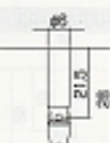
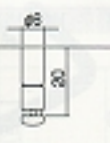
Finishes C.GG.CK.XN.XC.XG

Gear ratio 1:21

e.g. SGV510Z-BL5 HAP
SGV510Z-S5
SGV510Z-L5 HAPM



String post dimension STANDARD MG HAP/L3+R3 HAP/L6orR6 HAPA/L3+R3 HAPM/L3+R3 HAPM/L6orR6



SG-510 Series BUTTON OPTION

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



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

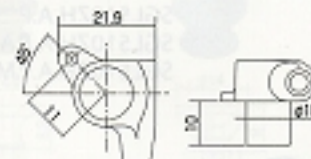
SG Series

SG503



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

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

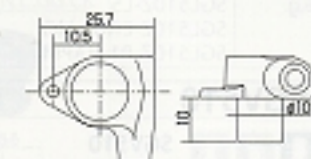
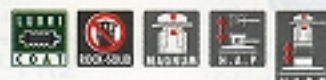


SG301



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

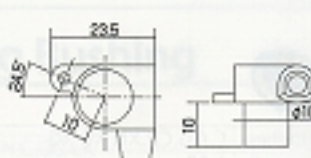


SG360



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

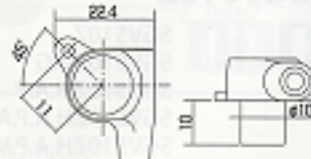


SG381



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 SG381-820 HAPA

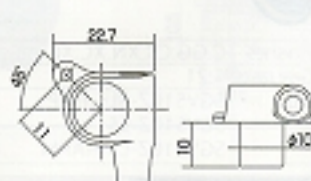


SGM



SGM
SGMMG

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



String post dimension	STANDARD	MG	HAP/L3+R3	HAP/L6+R6	HAPA/L3+R3	HAPM/L3+R3	HAPM/L6+R6
	20.2	20	18, 25	17, 21, 18, 25	21.5, 28	20.5, 25	18, 20, 18.5, 23
				15T/25T 33T-65T			15T/25T 33T-65T

SG Series BUTTON OPTION

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



Finishes : C-Chrome, GG-Gold, CK-Coemo Black



Electric and Acoustic Guitar Machine Heads

SE510 Series SD510 Series

Open backed tuners have sometimes been criticized for not having the same smooth performance as 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.

SE-510 Series

※Self-stop nut Pat. ※Self-center guide Pat.P

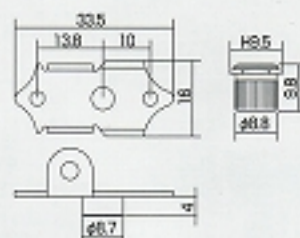
SE510



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



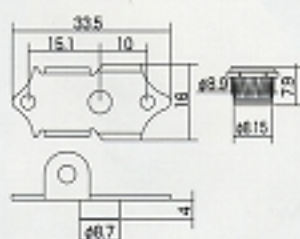
SE510M



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



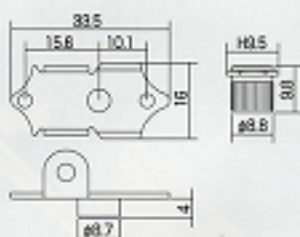
SE510W



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



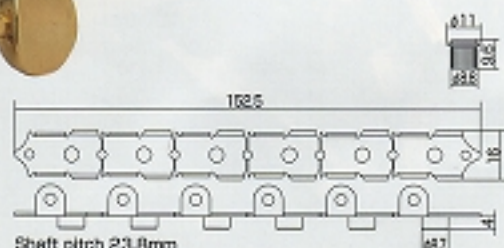
SE510



SE510
SE510MG
SE510H.A.P



Finishes	N.C.GG.CK.XN.XC.XG
Gear ratio	1:15
e.g.	SE510-05M-L MG SE510-B5-R



String post dimension	SE510 STANDARD	SE510M/510W STANDARD	SE510 STANDARD	MG	SE510 HAP	SE510 HAP	HAPA
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1ST~38T 48T~68T

SE Series

*Self-stop nut Pat.

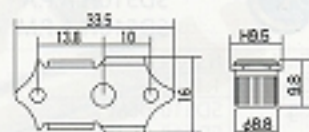
SE700



SE700
SE700MG



Finishes	N.C.GG.CK.XN.XC.XG
Gear ratio	1:15
eg.	SE700-06M SE700-SL MG



SE770



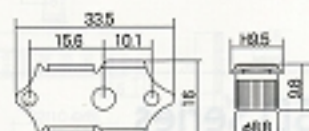
Finishes	N.C.GG.CK.XN.XC.XG
Gear ratio	1:15
eg.	SE770-05M SE770-MS



SE780



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



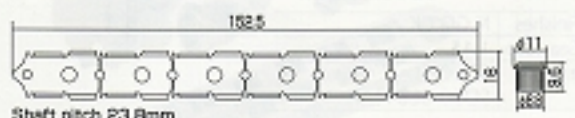
SE701



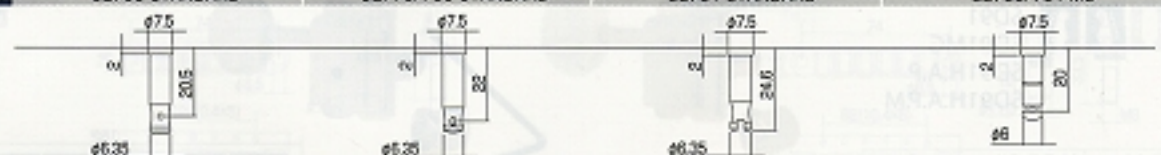
SE701
SE701MG



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



String post dimension	SE700 STANDARD	SE770/780 STANDARD	SE701 STANDARD	SE700/701 MG
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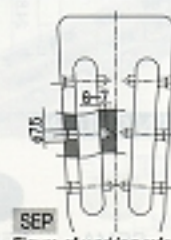
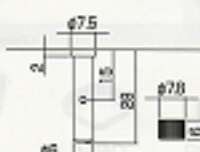
SE-510/SE Series BUTTON OPTION

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



for Slotted Head

SEP700
SEP770
SEP780



Putting tool for bushing,
an exclusive use for P-Post



Figure of working reference

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

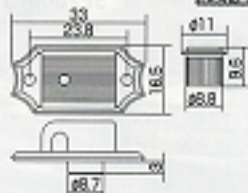
SD-510 Series

SD510



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

Finishes	N.GG.CK.XN.XC.XG
Gear ratio	1:15
e.g.	SD510-06M SD510-SL HAPA

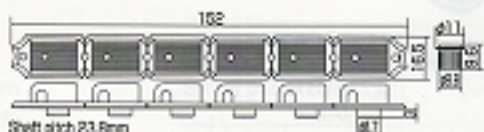


SDS510



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

Finishes	N.GG.CK.XN.XC.XG
Gear ratio	1:15
e.g.	5DS510-05M-L 5DS510-B5-L MG



String post dimension	SDS10 STANDARD	SDS610 STANDARD	MG	SDS10 HAP	SDS610 HAP	HAPA	SDS10 HAPM	SDS610 HAPM
				1ST~3ST	4ST~6ST			1ST~3ST 4ST~6ST

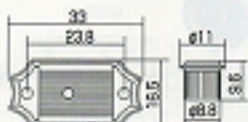
SD Series

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



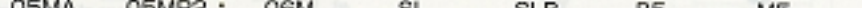
SD91
SD91MG
SD91H.A.P
SD91H.A.P.M

Finishes	N.GG.CK
Gear ratio	1:15
e.g.	SD91-05M-L MG SD91-M5-8



String post dimension	SD90 STANDARD	SD91 STANDARD	MS	SD90 HAP	SD91 HAP	HAPA	SD90 HAPM	SD91 HAPM

SD-510/SD Series BUTTON OPTION



05M 05MA 05MP2 06M SL SLB B5 M5 P5W P5R

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

Planetary Banjo Tuners

Banjo

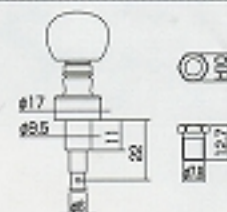
Developed by a new idea from "Gotohs" high processing technology. Tuning performance has greatly enhanced in comparison to the one existing in the past and gear feels so smooth. Especially 5th peg is a super banjo tuner as many problems experienced in the past have been improved tremendously.



SPBJ-4



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



SPBJ BUTTON OPTION

Choose the button from listed below when order for machine head is placed. (actual size not shown about 50%)



PW



AI

SPBJ-5



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



GOTOH Display Package



Classic Guitar Machine Heads

Planetary Ratio Tuners



510-Series of classical machine heads feature "Rock-Solid"™ posts and "Lubri-Plate"™ process. This reduces the friction between the Gears resulting in an ultra smooth feel minimal back lash. It also gives you steady tuning and smooth torque adjustment by adjusting nut screw on button.

For more detail on Lubri-Plate™ and Rock-Solid™ see explanation on page 1

35G510 Series

35G510CF

35G510CF
35AR510CF
35P510CF



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



35G510MF

35G510MF
35AR510MF
35P510MF



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



35G510C

35G510C
35AR510C
35P510C

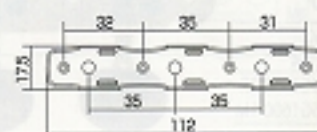
Finish	GG
Gear ratio	1:16
e.g.	35G510C-BM 35AR510C-M



35G510P

35G510P
35AR510P
35P510P

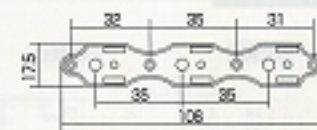
Finish	GG
Gear ratio	1:16
e.g.	35AR510P-P 35P510P-KB



35G510QC

35G510QC
35AR510QC
35P510QC

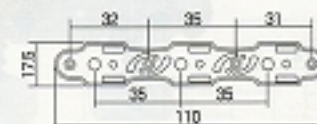
Finish	MTG
Gear ratio	1:16
e.g.	35G510QC-KM 35AR510QC-EN



35G510S

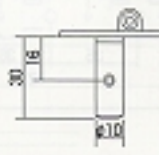
35G510S
35AR510S
35P510S

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

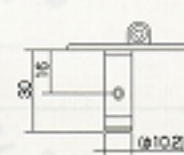


String post dimension

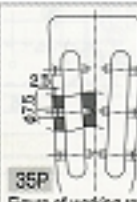
35G



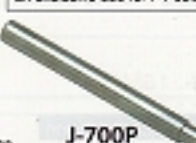
35AR



35P



Putting tool for bushing.
an exclusive use for P-Post.



35G510 Series BUTTON OPTION

Choose the button from listed below when order for machine head is placed.(actual size ratio: about 80%)



M



BM



EN



KB



KM



BB



2R



P

Finishes : N-Nickel, SG-Semi Gold, GG-Gold, CK-cosmo Black, MTG-Mat Gold, XN-Excellent Nickel, XG-Excellent Gold, XCK-Excellent Cosmo Black

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

For detailed information on * Rock-Solid *™ String posts see page 1

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

35G6500

35G6500
35P6500

Finish	SB
Gear ratio	1:14
e.g.	35G6500-BB 35G6500-ZW



35G1800

35G1800
35P1800

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



35G1600

35G1600
35P1600

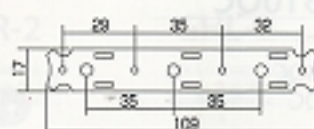
Finish	GG
Gear ratio	1:14
e.g.	35G1600-2R 35G1600-1M



35G620

35G620
35P620

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

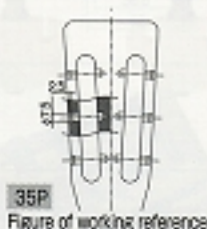
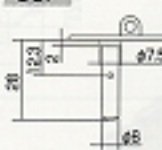


String post dimension

35G



35P



35P
Figure of working reference

35G Series BUTTON OPTION

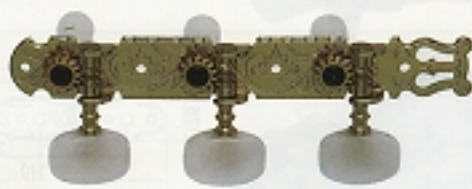
Choose the button from listed below when order for machine head is placed.
(actual size ratio about 50%)



35G420

35G420
35P420

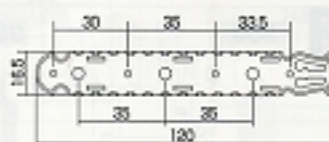
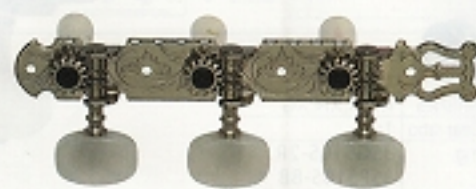
Finish	SG
Gear ratio	1:14



35G350

35G350
35P350

Finish	N
Gear ratio	1:14

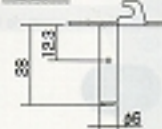


String post dimension

35G



35P

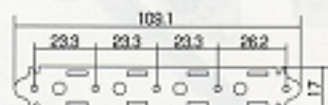


Mandolin Machine Heads

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

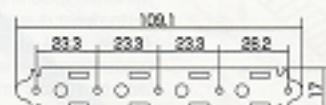


MA40R

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

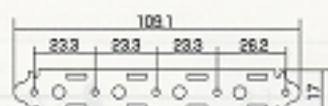
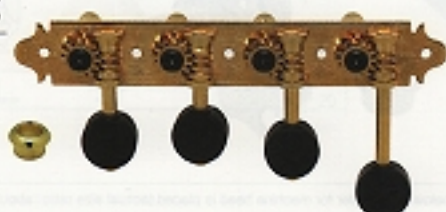
Reverse gearing

*Minimum production for 30 sets per color is required.



MF40

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

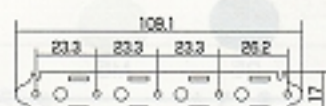
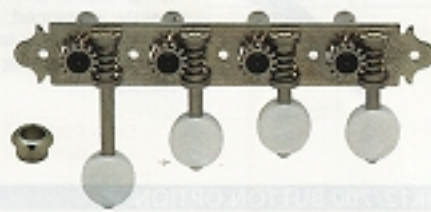


MF40R

Finishes	N,GG
Gear ratio	1:14
e.g.	MF40R-MP MF40R-MM

Reverse gearing

*Minimum production for 30 sets per color is required.



String post dimension



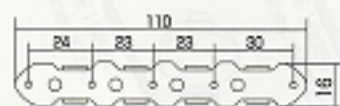
MA40/MF40 BUTTON OPTION

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



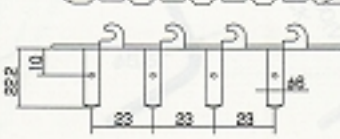
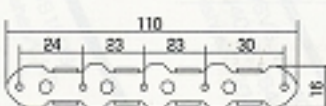
M120

Finishes	N,GG
Gear ratio	1:14



M120S

Finishes	N,GG
Gear ratio	1:14



Finishes : N-Nickel, SG-Semi Gold, GG-Gold, SB-Solid Brass

Ukulele Peg

Ukulele Evolution

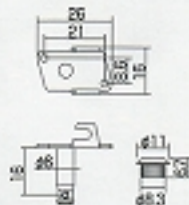


UK12

Finishes	N.GG
Gear ratio	1:14
eg.	UK12-05MA UK12-B5

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

Gotoh's commitment to improve all their products has led to this major advance in the manufacture and design of Ukulele tuner pegs. Many models have benefited from Gotoh's "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.

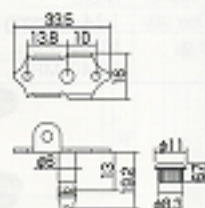


UK700

Finishes	N.GG
Gear ratio	1:15
eg.	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%)



UKA

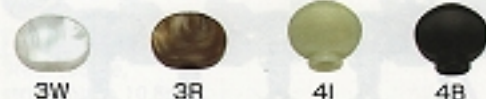
Finishes	N.GG
Gear ratio	1:1
eg.	UKA-3W UKA-4B



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.

UKA BUTTON OPTION

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



UKB

Finishes	N.GG
----------	------

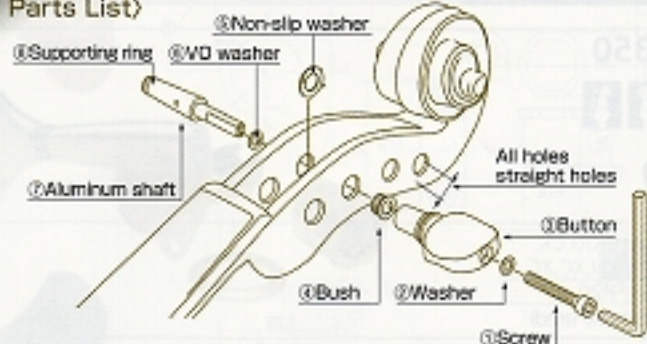


Violin Tuner

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.

(MVT Parts List)



MVT-440T

4/4~3/4 for Violin



MVT-440T Combination list

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

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)



J-440T

MVT-440T
Special assembling tool



MVT-120T

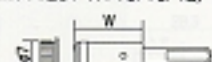
1/2~1/4 for Violin



MVT-120T Combination list

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

Please call us with the shaft No. If you need a special set which is not included in the normal set.
(Example : MVT120T-17/16/15/13/12)



J-120T

MVT-120T
Special assembling tool



MVT-MINI

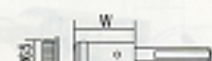
1/8~1/16 for Violin



MVT-MINI Combination list

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

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



Bass Machine Heads

RES-O-LITE Series

Weight comparison (per pc)

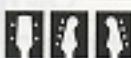
Getch old models	RES-O-LITE™ series
GB70 64.4g	GB650 35.0g
GB8 115.5g	GB640 64.0g
GB30 83.0g	GB128 52.8g

Super lightweight bass machine heads.

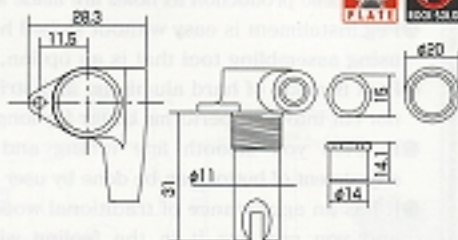
lightweight bass machine heads. Bass guitars by their very nature have always been "neck heavy". This resulted from the early designs inheriting their tuners from the original double bass. With the advent of 5 and 6 string basses this unbalance was emphasized even more, making the bass uncomfortable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



GB350



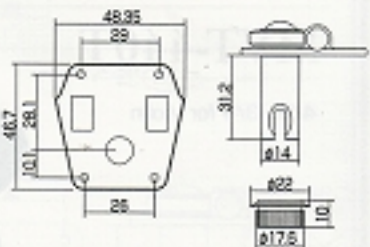
Finishes	C.G.G.CK. XN.XC.XG
Gear ratio	1:20
Plastic button(Plated)	



GB640



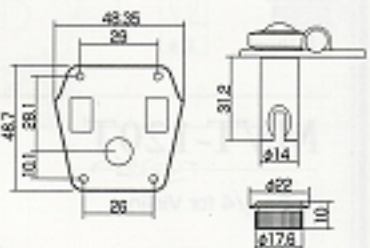
Finishes	N.GG.CK. XN.XC.XG
Gear ratio	1:28
Left side only	



GBR640



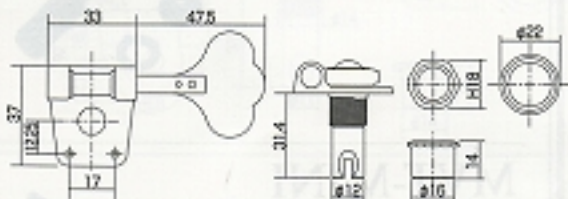
Finishes	N,GG,CK, XN,XC,XG
Gear ratio	1:28
Reverse wind / Left side only	



GB528



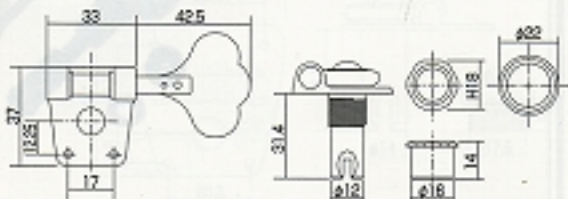
Finishes	N.GG.CK. XN.XC.XG
Gear ratio	1:26



GB528S



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 Gotoh's 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.

For more detail on "Lubri-Plate"™, "Lubri-Coat"™ and "Rock-Solid"™ see explanation on page 1.

GBS510



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

Gear ratio 1:22

Aluminum shaft



GB720



Finishes C.GG.CK.

Gear ratio 1:20

Aluminum shaft

Plastic button (Plated)

World design Pat.



GB720W



Finishes C.GG.CK.

Gear ratio 1:20

Aluminum shaft

Plastic button

World design Pat.



GB720B



Finishes C.GG.CK.

Gear ratio 1:20

Aluminum shaft

Plastic button

World design Pat.



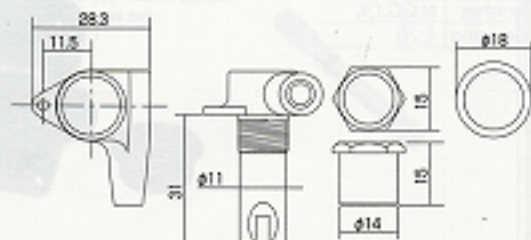
GB707



Finishes C.GG.CK.

Gear ratio 1:20

World design Pat.

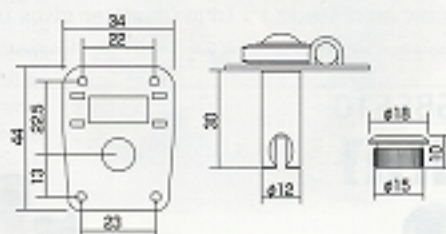


Finishes : N-Nickel, C-Chrome, GG-Gold, CK-Cosmo Black, XN-Excellent Nickel, XC-Excellent Chrome, XG-Excellent Gold

GB1



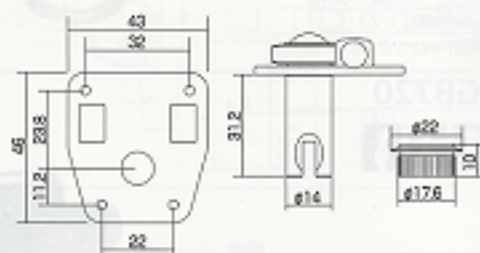
Finishes	N.GG.CK
Gear ratio	1:21



GB2



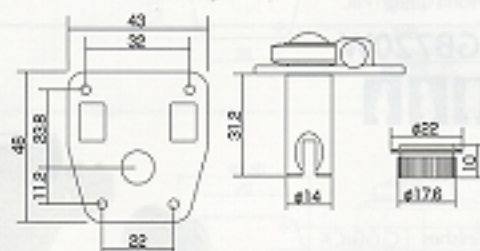
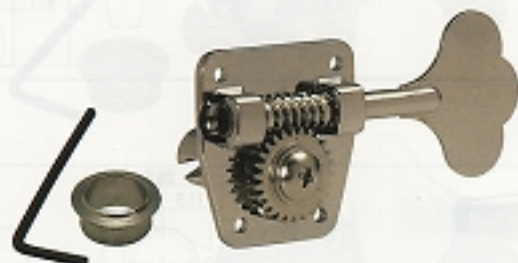
Finishes	N.GG.CK
Gear ratio	1:26



GB29



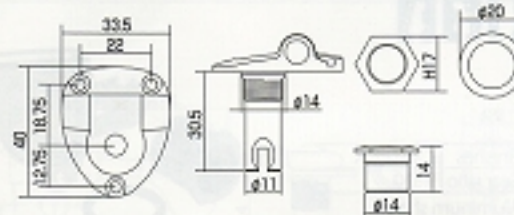
Finishes	N.GG.CK
Gear ratio	1:26
Reverse wind	



GB11W



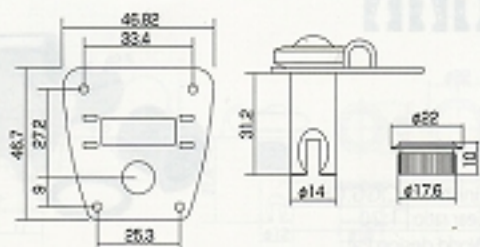
Finishes	C.GG.CK
Gear ratio	1:20



FB3

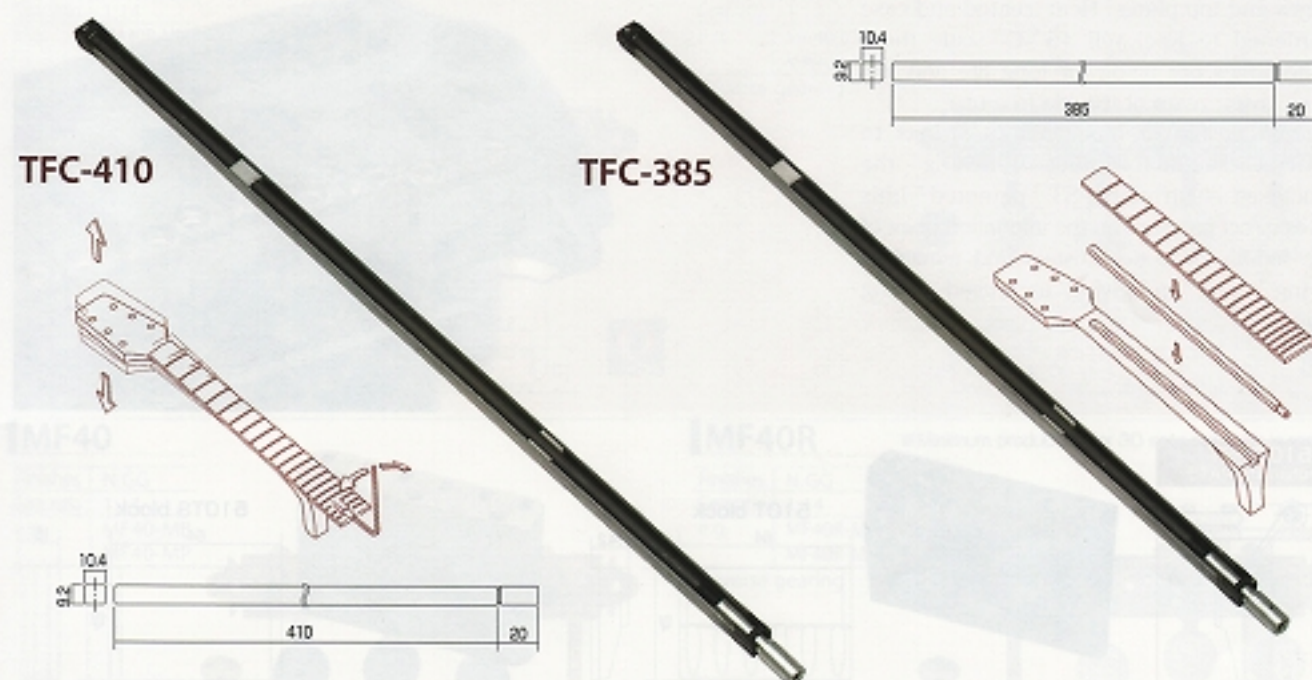


Finishes	N.GG.CK
Gear ratio	1:20

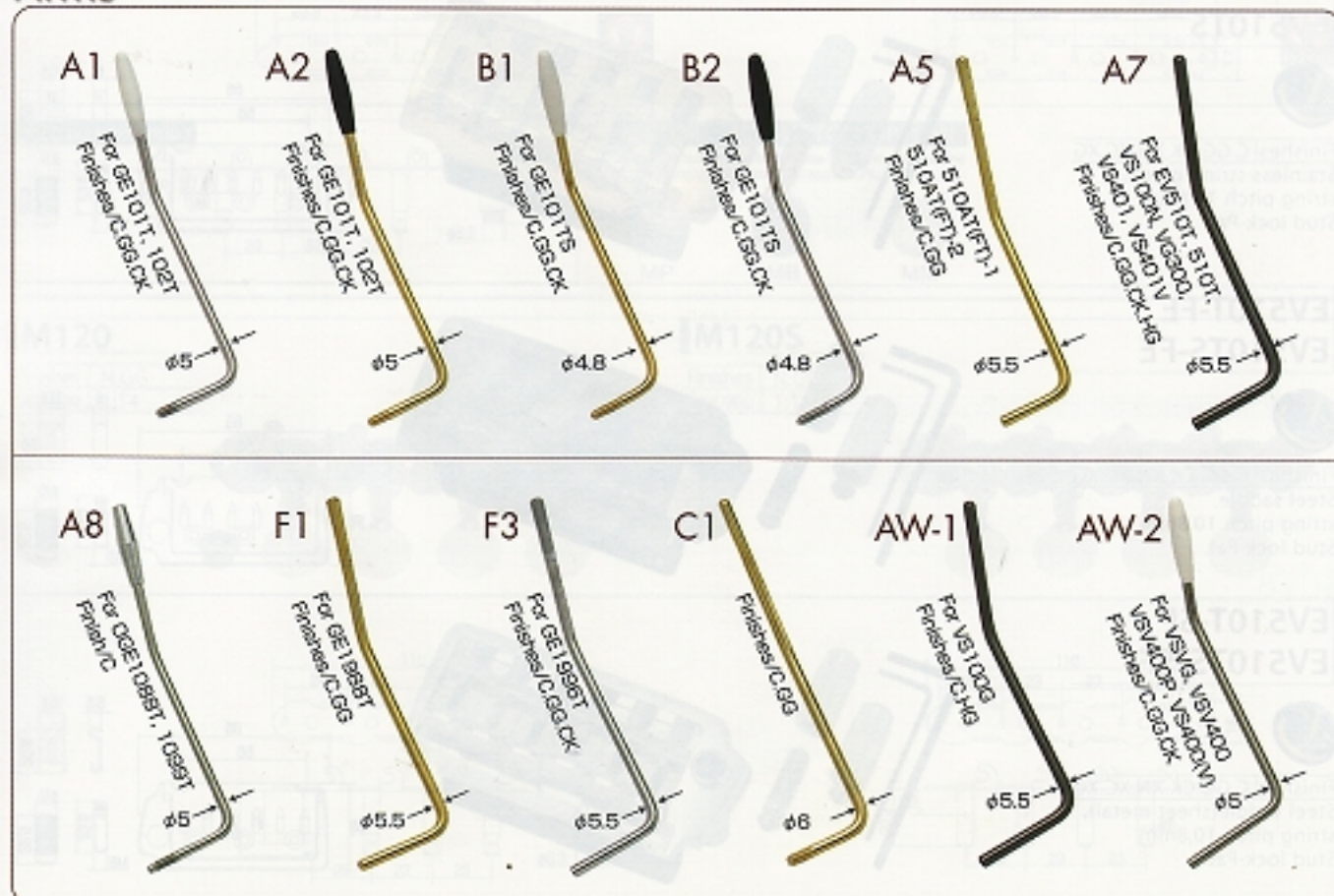


Two-way Truss Rod^{PAT.P}

Gotohs' TFC truss rods for Acoustic guitars can adjust a neck in both forward or backwards direction. Enabling the perfect action without relying on string tension alone to give neck relief. Installation at manufacture is as simple as conventional flat channel aluminium section. Also adds strength and stability to necks without adding undue weight.



Arms



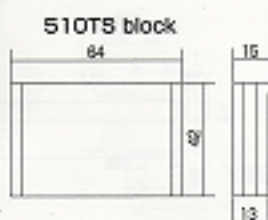
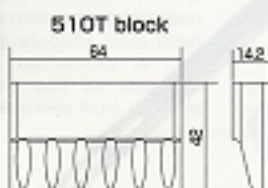
Finishes : N-Nickel, C-Chrome, GG-Gold, CK-Cosmo Black, HG-Honed Gold, XN-Excellent Nickel, XC-Excellent Chrome, XG-Excellent Gold

Tremolo Units

510 Series

510T series Vibrato bridges have precision machined Chrome Molybdenum 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.

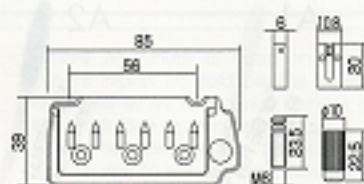


510TS features a Steel block, not FST function.

EV510T EV510TS



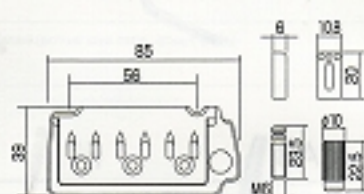
Finishes: C.GG.CK.XN.XC.XG
Stainless string guide,
string pitch 10.8mm
Stud lock-Pat.



EV510T-FE EV510TS-FE



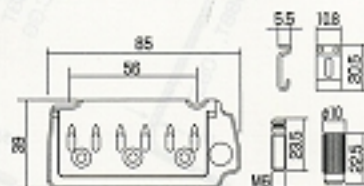
Finishes: C.GG.CK.XN.XC.XG
Steel saddle,
string pitch 10.8mm
Stud lock-Pat.



EV510T-SF EV510TS-SF

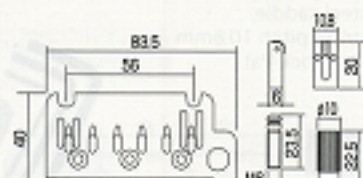


Finishes: C.GG.CK.XN.XC.XG
Steel saddle (sheet metal),
string pitch 10.8mm
Stud lock-Pat.



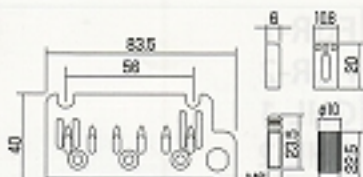
510T-RS1 510TS-RS1

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



510T-FE1 510TS-FE1

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



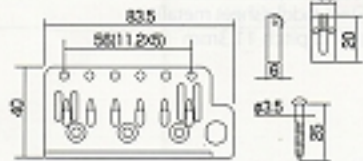
510T-SF1 510TS-SF1

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



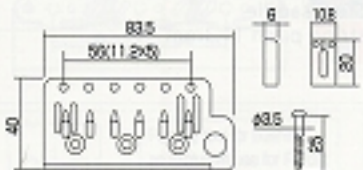
510T-RS2 510TS-RS2

Finishes: C,GG,CK
Steel with stainless roller saddle,
string pitch 10.8mm



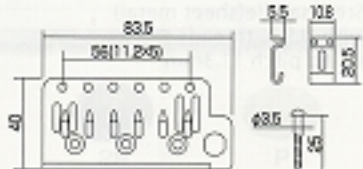
510T-FE2 510TS-FE2

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

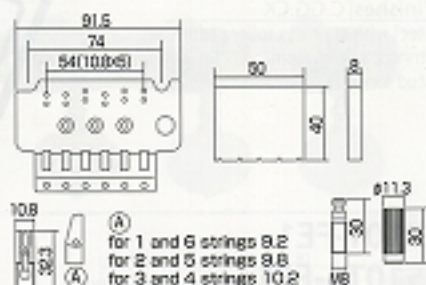
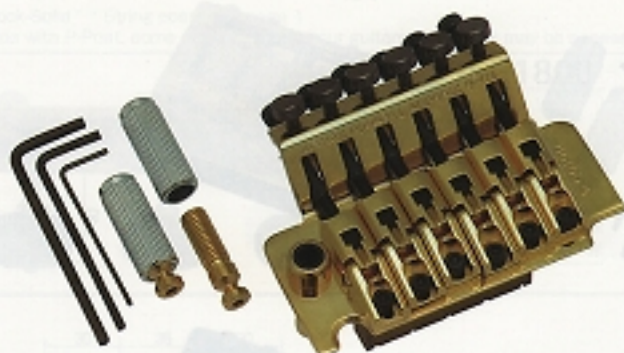


Finishes : C-Chrome, GG-Gold, CK-Cosmo Black, XN-Excellent Nickel, XC-Excellent Chrome, XG-Excellent Gold

Tremolo Units & Lock Nuts

GE1996T

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



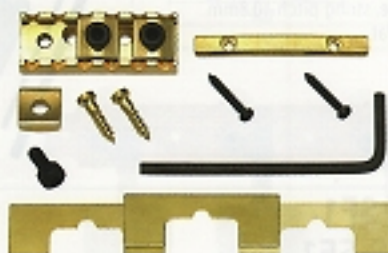
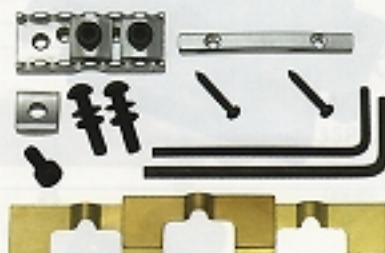
FGR-1

FGR-2

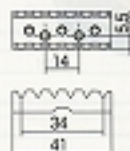
GHL-1

GHL-2

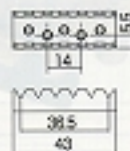
Finishes	C.GG.CK
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FGR-1



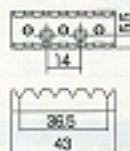
GHL-1



FGR-2



GHL-2



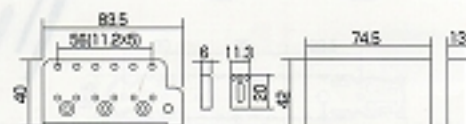
GE101T

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



GE102T

Finishes	C.G.G.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



Guitar Bridges & Tailpieces

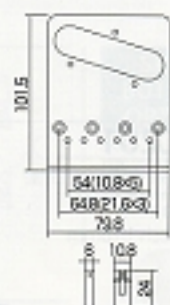
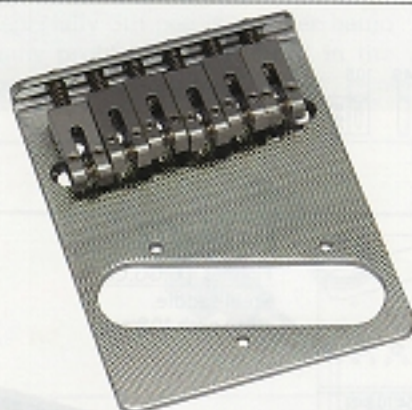
510 Series

GTC510



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

Stainless string guide,
string pitch 10.8mm

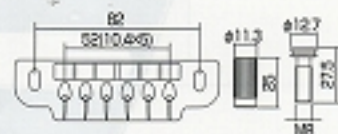


510UB



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

Hard zinc saddle
Stud lock-Pat.

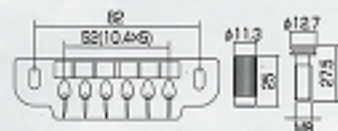


P510UB



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

Plastic saddle
Stud lock-Pat.

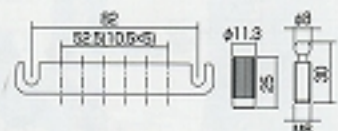


510FA



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

Material/Aluminum
Stud lock-Pat.

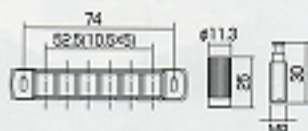


510FB



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

Brass saddle
Stud lock-Pat.

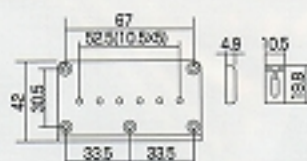


Finishes : C-Chrome, GG-Gold, CK-Cosmo Black, XN-Excellent Nickel, XC-Excellent Chroma, XG-Excellent Gold

Guitar Bridges & Tailpieces

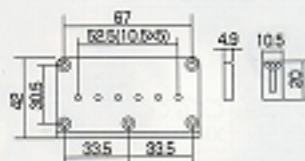
GTC101

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



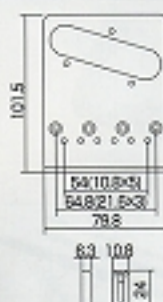
GTC102

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



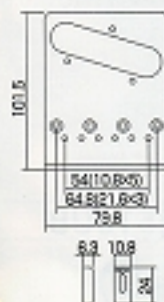
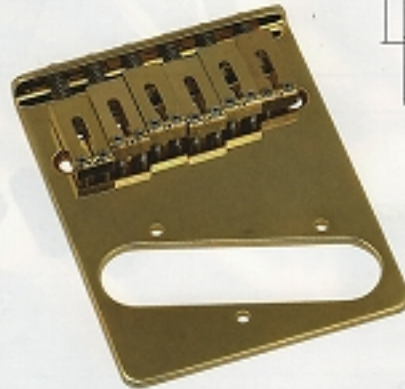
GTC201

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



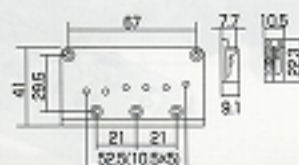
GTC202

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



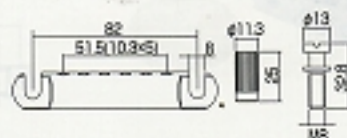
GTC12

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



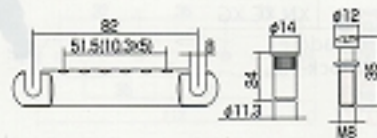
GE101Z

Finishes N.C.GG.
CK
Material Zinc diecast



GE101Z-T

Finishes N.C.GG.
CK
Material Zinc diecast



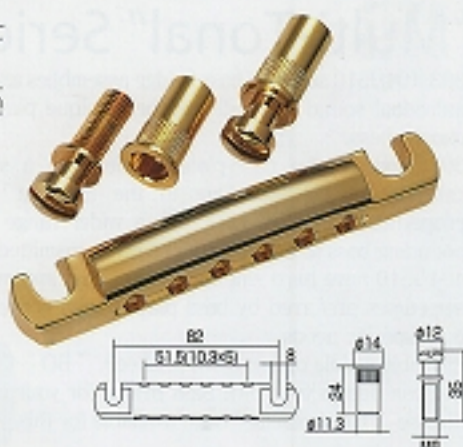
GE101A

Finishes	N.C.GG. CK
Material	Aluminum



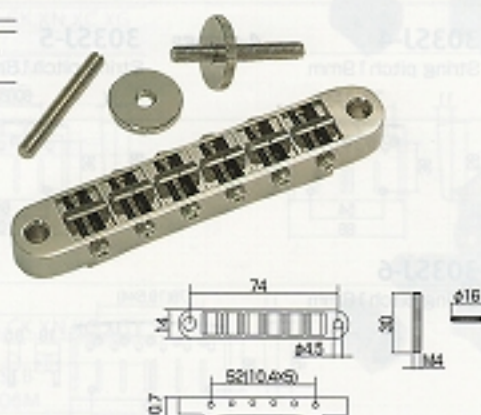
GE101A-T

Finishes	N.C.GG. CK
Material	Aluminum



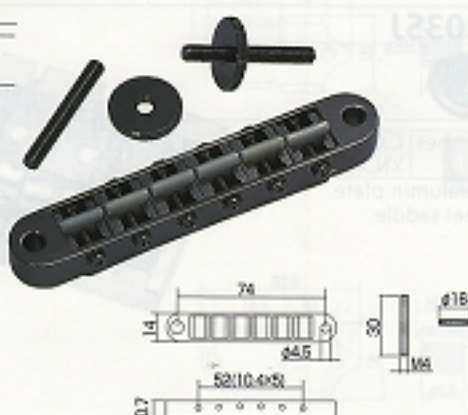
GE103B

Finishes	N.C.GG. CK
Hard zinc saddle	



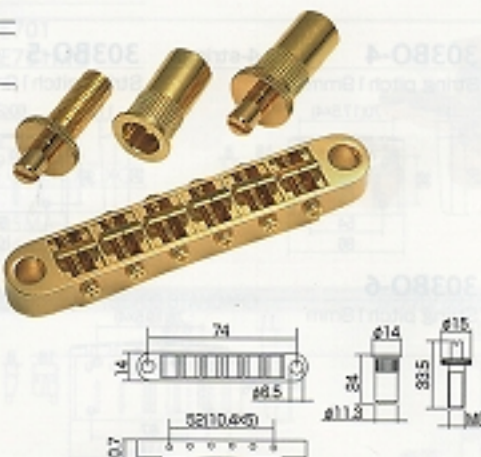
GEP103B

Finishes	N.C.GG. CK
Plastic saddle	



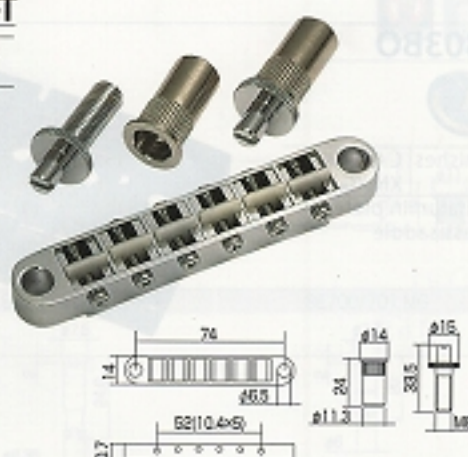
GE103B-T

Finishes	N.C.GG. CK
Hard zinc saddle	



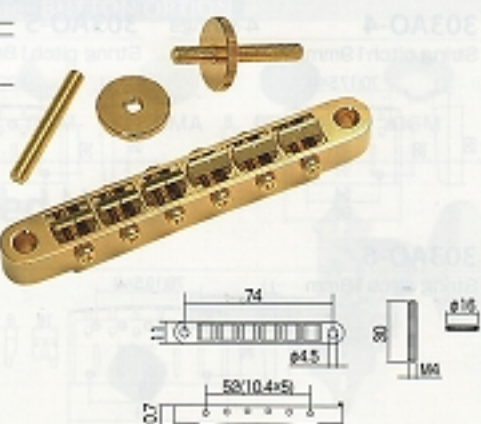
GEP103B-T

Finishes	N.C.GG. CK
Plastic saddle	



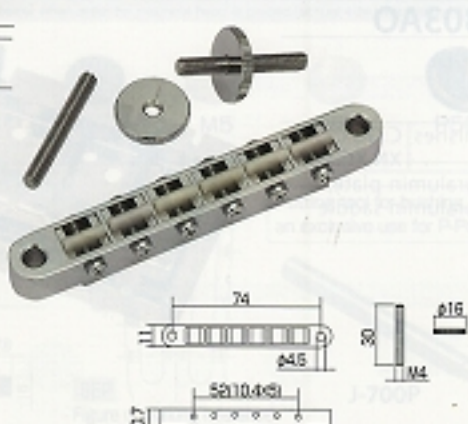
GE104B

Finishes	N.C.GG. CK
Hard zinc saddle	



GEP104B

Finishes	N.C.GG. CK
Plastic saddle	



Bass Bridges

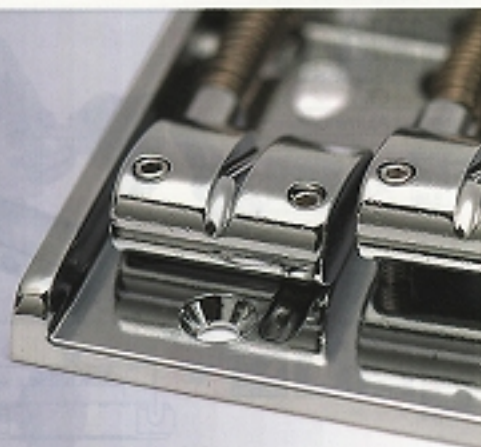
"Multi-Tonal" Series

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"™. Due to the inherent "multi frequency" resonance transfer properties of "RES-O-LITE"™, 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.

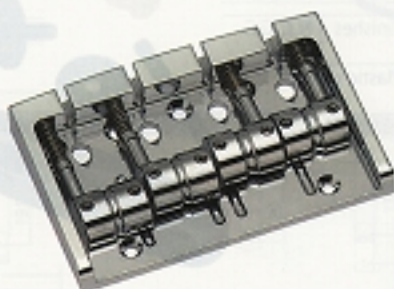
Available saddle options "SJ" (Steel), "BO" (Brass) and AO ("RES-O-LITE"™). Now you can design your own Bass Bridge for your unique sound. Never before has such a diverse "Tonal palette" been available for this most expressive of stringed instruments.



303SJ



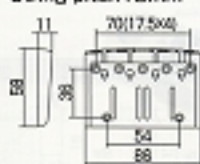
Finishes C.GG.CK.
XN.XC.XG
Duralumin plate,
Steel saddle



303SJ-4

4-strings

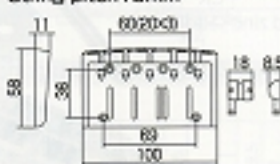
String pitch 19mm



303SJ-5

5-strings

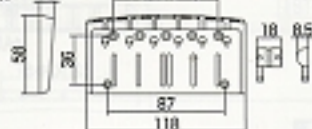
String pitch 18mm



303SJ-6

6-strings

String pitch 18mm



303BO



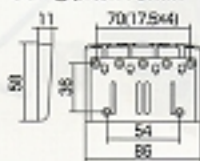
Finishes C.GG.CK.
XN.XC.XG
Duralumin plate,
Brass saddle



303BO-4

4-strings

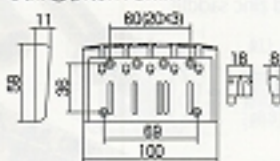
String pitch 19mm



303BO-5

5-strings

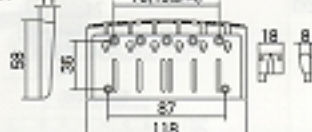
String pitch 18mm



303BO-6

6-strings

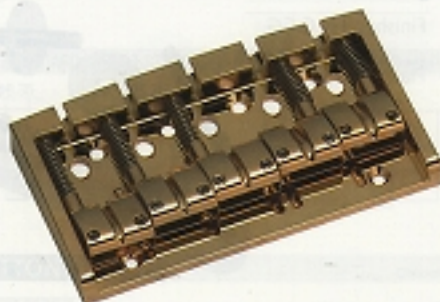
String pitch 18mm



303AO



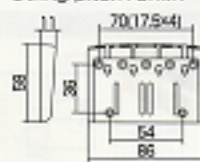
Finishes C.GG.CK.
XN.XC.XG
Duralumin plate,
Duralumin saddle



303AO-4

4-strings

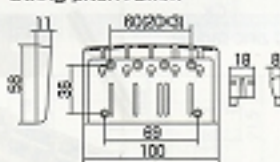
String pitch 19mm



303AO-5

5-strings

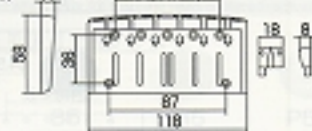
String pitch 18mm



303AO-6

6-strings

String pitch 18mm



404SJ



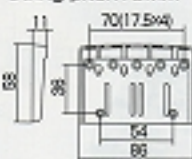
Finishes C.GG.CK,
XN.XC.XG

Hard zinc plate,
steel saddle



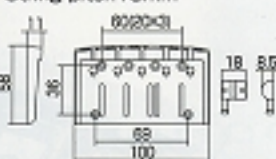
404SJ-4 4-strings

String pitch 19mm



404SJ-5 5-strings

String pitch 18mm



404BO



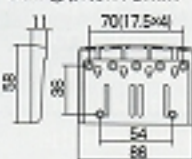
Finishes C.GG.CK,
XN.XC.XG

Hard zinc plate,
brass saddle



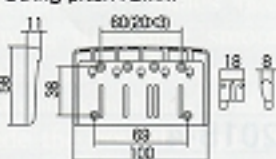
404BO-4 4-strings

String pitch 19mm



404BO-5 5-strings

String pitch 18mm

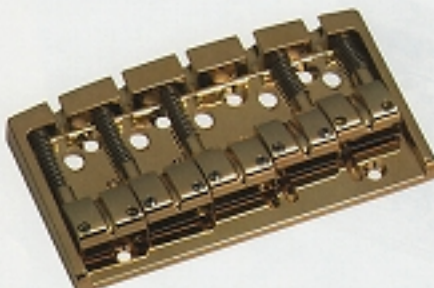


404AO



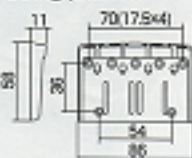
Finishes C.GG.CK,
XN.XC.XG

Hard zinc plate,
Duralumin saddle



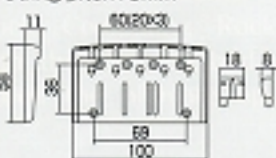
404AO-4 4-strings

String pitch 19mm



404AO-5 5-strings

String pitch 18mm

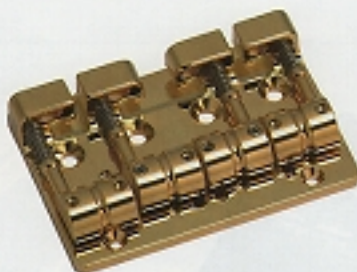


J510SJ



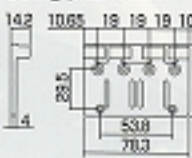
Finishes C.GG.CK,
XN.XC.XG

Hard zinc plate,
Steel saddle



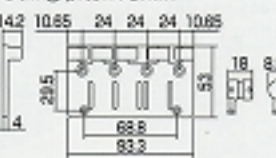
J510SJ-4 4-strings

String pitch 19mm



J510SJ-5 5-strings

String pitch 18mm



J510BO



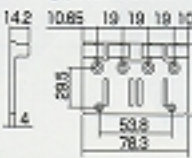
Finishes C.GG.CK,
XN.XC.XG

Hard zinc plate,
brass saddle



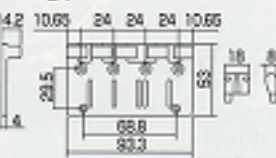
J510BO-4 4-strings

String pitch 19mm



J510BO-5 5-strings

String pitch 18mm



J510AO



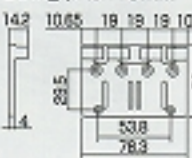
Finishes C.GG.CK,
XN.XC.XG

Hard zinc plate,
Duralumin saddle



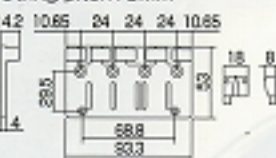
J510AO-4 4-strings

String pitch 19mm



J510AO-5 5-strings

String pitch 18mm

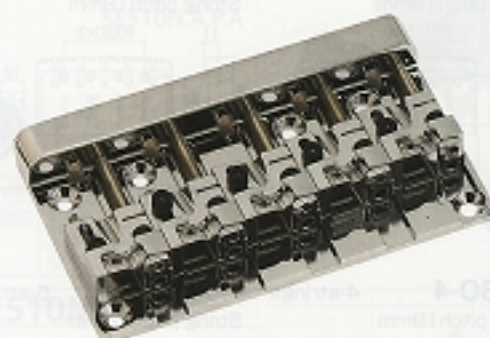


Finishes : N-Nickel, C-Chrome, GG-Gold, CK-Cosmo Black, XN-Excellent Nickel, XC-Excellent Chrome, XG-Excellent Gold

510 Series

510B

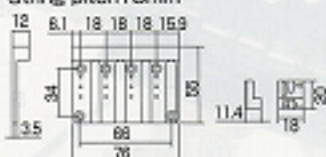
Finishes | C.GG.CK
Steel saddle



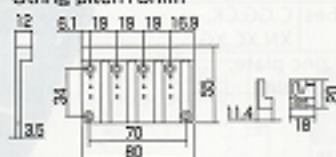
510B-4

4-strings

String pitch 18mm



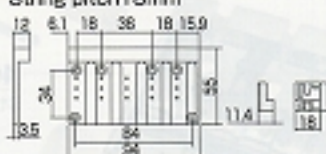
String pitch 19mm



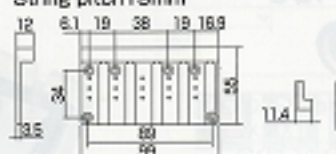
510B-5

5-strings

String pitch 18mm



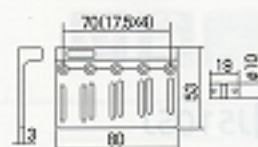
String pitch 19mm



Production of 18mm and 19mm string spacing are available. Specify the pitch when placing order.

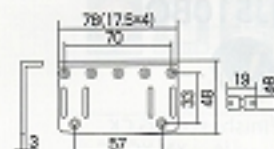
201B-4

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



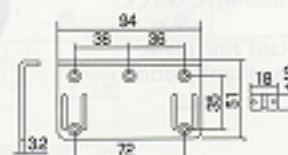
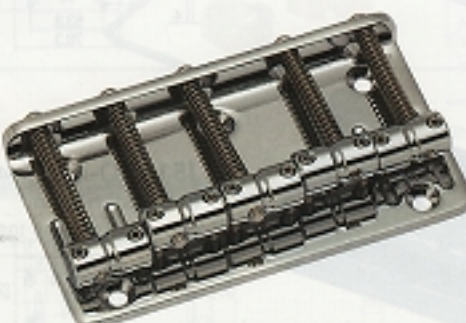
203B-4

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

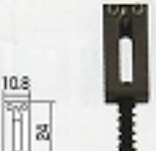
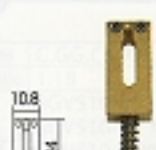


205B-5

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



Saddle Sets

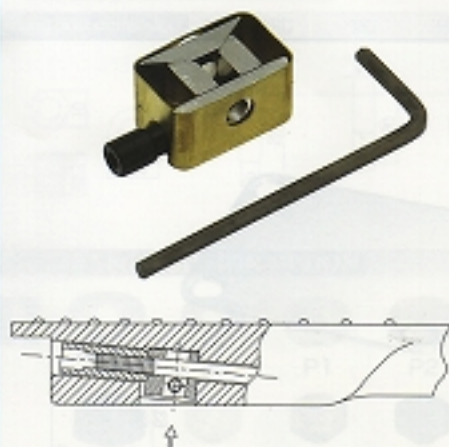
S101 Finishes: N.GG,CK Material: Steel(sheet metal) 6pcs/set 	S101S Finishes: N.GG,CK Material: Steel(sheet metal) with USA threads screws 6pcs/set 	S102 Finishes: C.GG,CK Material: Steel 6pcs/set 	S108 Finishes: N.GG,CK Material: Steel(sheet metal) 6pcs/set 	S188 Finishes: N.GG,CK Material: Steel(sheet metal) 6pcs/set 
S199 Finishes: C.GG,CK Material: Steel 6pcs/set 	SR108 Finishes: C.GG,CK Material: Steel with stainless roller 6pcs/set 	S11 Finishes: C.GG,CK Material: Brass 6pcs/set 	S21 Finishes: C.GG,CK Material: Steel 6pcs/set 	S12 Finishes: C.GG,CK Material: Brass 6pcs/set 
S22 Finishes: C.GG,CK Material: Steel 6pcs/set 	SW-3 Finish: SB Material: Brass 3pcs/set 	S201 Finishes: C.GG,CK Material: Brass 4pcs/set 	S203 Finishes: N.C.GG,CK Material: Brass 4pcs/set 	S205 Finishes: N.C.GG,CK Material: Brass 5pcs/set 

Side Adjuster PAT.

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 severely 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.

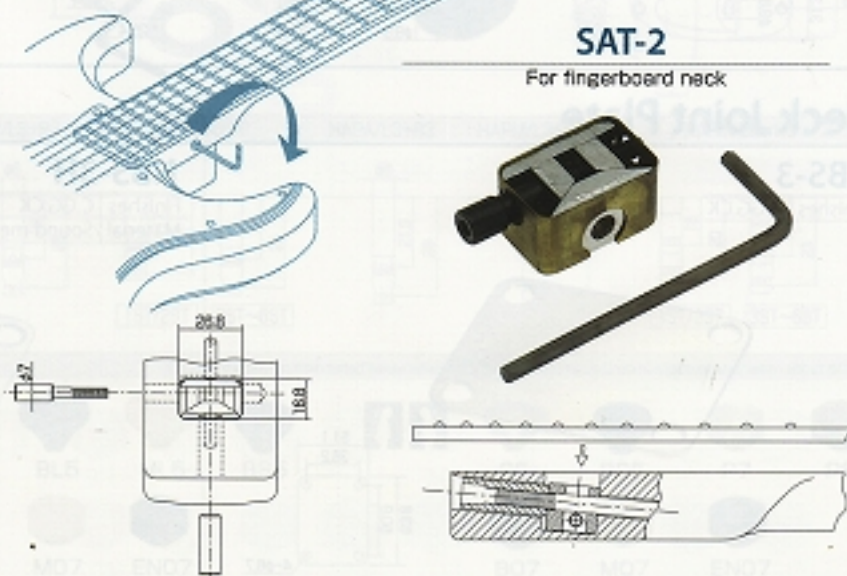
SAT-1

For one-piece neck



SAT-2

For fingerboard neck

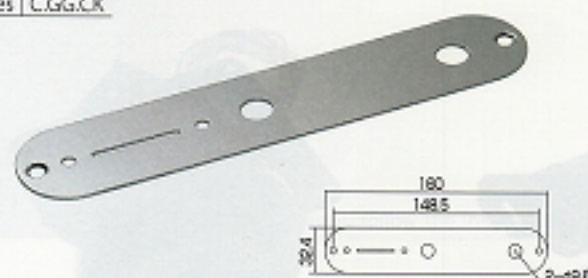


Finishes : N-Nickel, C-Chrome, GG-Gold, CK-Cosmo Black, SB-Solid Brass

Control Panel

CP-10

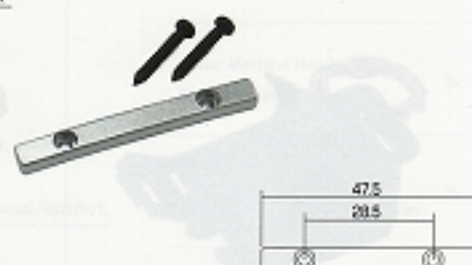
Finishes | C.GG.CK



Tension Bar

TB47.5

Finishes | C.GG.CK

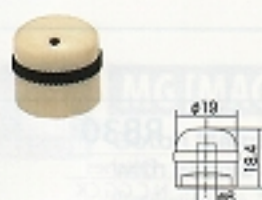


GOTOH Original control knob of Artificial Material

Push in type with inside rubber bush

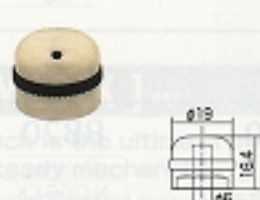
PKM-B1

with rubber ring



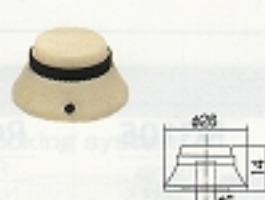
PKM-B3

with rubber ring



PKM-B5

with rubber ring



PKM-15



PKM-18



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



Push in type with inside rubber bush

PKBB-B1

with rubber ring



PKBB-B3

with rubber ring



PKBB-B5

with rubber ring



PKBB-15



PKBB-18



Dome Knob

VK1-18



Finishes | C.GG.CK

VK1-19



Finishes | C.GG.CK

VK2



Finishes | C.GG.CK
Serration hole

VK3



Finishes | C.GG.CK

VK15T



VK18T

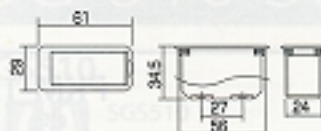


Finishes
C.GG.CK

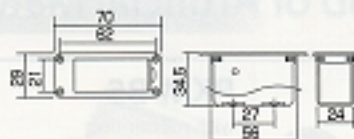
Finishes : N-Nickel, C-Chrome, GG-Gold, CK-Cosmo Black

Battery Box

BB-02



BB-04



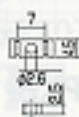
BB-04W



String Retainer

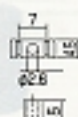
RG15

Finishes
N.C.GG.CK



RG30

Finishes
N.C.GG.CK



RG105

Finishes
N.C.GG.CK



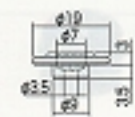
RG130

Finishes
N.C.GG.CK



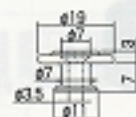
RB20

Finishes
N.C.GG.CK



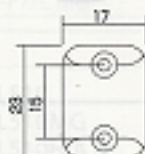
RB30

Finishes
N.C.GG.CK

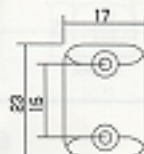
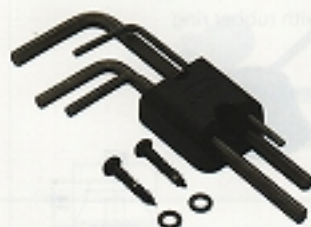


Wrench Holder

WRH-1

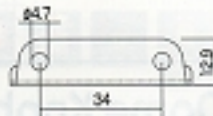


WRH-1W



Spring Holder

SPH



Spring

SP



Power Spring

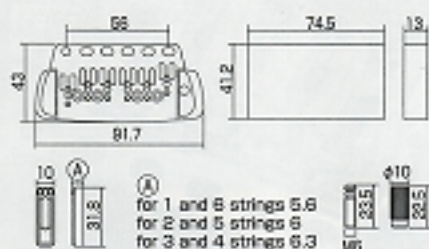
Vibrato bridge is balanced by string tension and coil springs used for pulling its block and it is only by the power of coil springs to return to the original position after dive bombing of vibrato arm. It is important to have durable spring for all kinds of vibrato bridge and PSP power spring minimizes tuning instability by its durability when using vibrato.

PSP



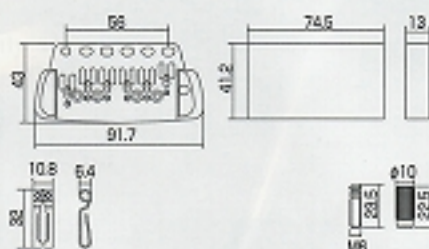
VSV400P

Finishes	C.GG.CK
String pitch	10.8mm



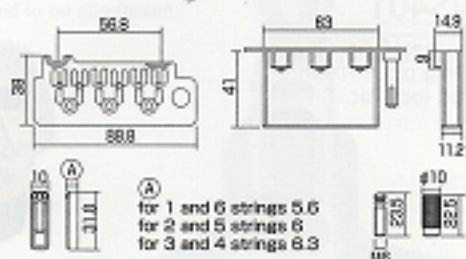
VSV400

Finishes	C.GG.CK
String pitch	10.8mm



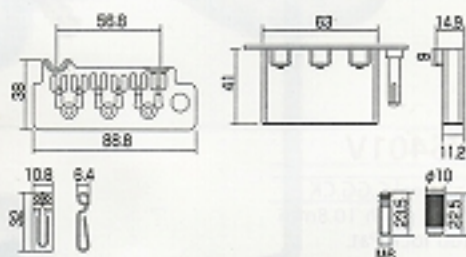
VS100N

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



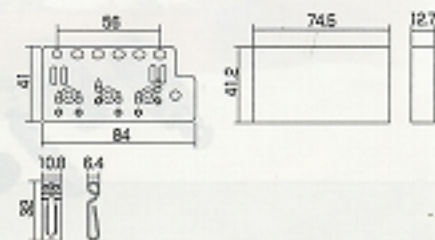
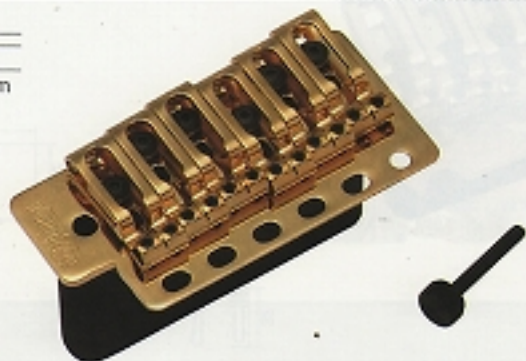
VG300

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



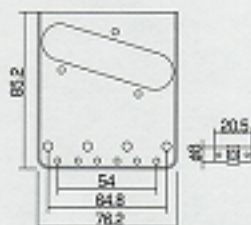
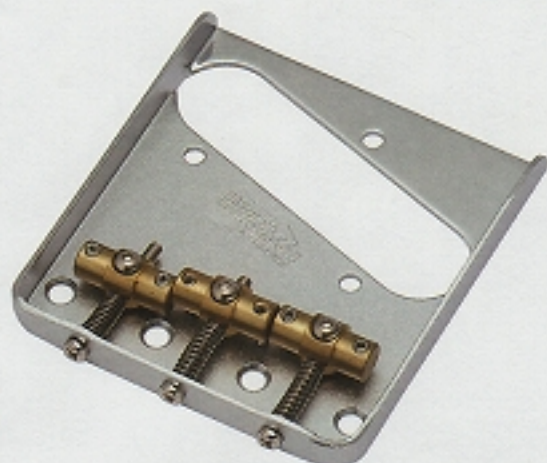
VSVG

Finishes	N.GG.CK
String pitch	10,8mm



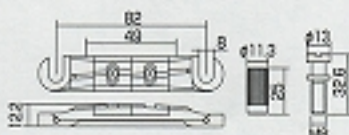
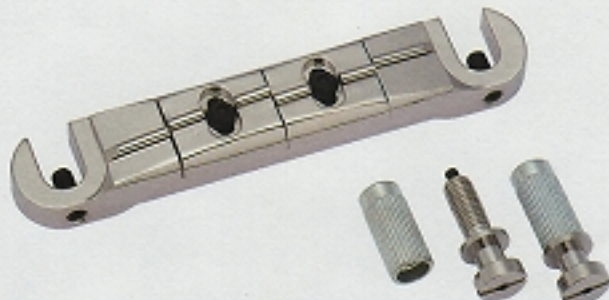
WT3

Finishes | N.C.GG Plate only
String pitch 10.8mm



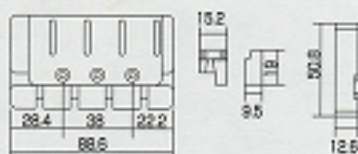
GTB200

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



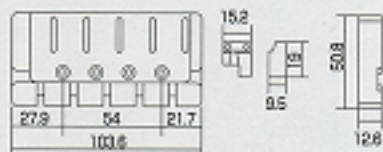
WBBO 4

Finishes	C.GG.CK
String pitch	19mm



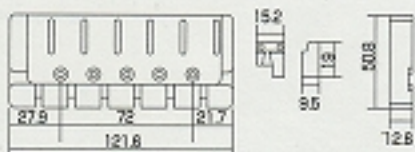
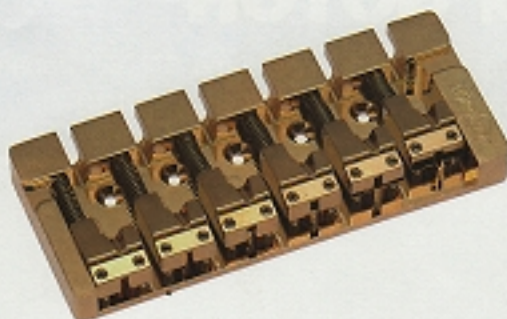
WBBO 5

Finishes	C.GG.CK
String pitch	18mm



WBBO 6

Finishes	C.GG.CK
String pitch	18mm



Finishes: N-Nickel, C-Chrome, GG-Gold, CK-Cosmo Black, HC-Honed Chrome, HG-Honed Gold, HCK-Honed Cosmo Black



Address / 3040 Miyako-cho, Iseaki, Gunma, 372-0801 Japan
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