

Parts Collection

2012-2013

Guitar, Bass & String Instruments PARTS



GOTOH's Black Chrome Plating is available again.

With RoHS (Restriction of Hazardous Substances) going into effect 2006, we voluntarily ceased manufacture of products made with plating (Black Chrome) containing hexavalent chrome, which is one of the restricted substances.

We did this because, with the circulation from the time RoHS went into effect of widely varying information about detection methods, there was no determination of the absolute standard value. However, having concluded that the hexavalent chrome detection method can be satisfied by obtaining "elution detection value through boiling," we have confirmed that the hexavalent chrome value in our company products is far below the standard value. For that reason, we will resume production of "Black Chrome Products."



Technical Innovation



LUBRI-COAT™

Lubri-Coat*: creating the machine head of the future.

The application of Lubri-Coat (solid lubricating layer) to the worm gear, establishes better contact between the worm and the gear wheel. As a result, backlash is minimized when tuning. In addition, the synergistic effect derived from GOTOH's original degrade-resistant lubricating oil, means that machine heads can be more durable and maintain accuracy for longer.

* Lubri-Coat PAT.(PCT)



LUBRI-PLATE™

The enhanced feeling and micro precision of Lubri-Plate *1

With "Lubri-Plate" Teflon compound (lubricating compound coating) on the worm and the wheel, you get smooth gear meshing and improved durability. With the additional use of the G.S.P.*2, you can experience the ultimate feeling.

* 1. Lubri-Plate PAT.(PCT)

* 2. G.S.P. GOTOH original non-oil based lubricant



ROCK-SOLID™ STRING POST

The ultimate post: stays solid, even during arming or bending play.

Unwanted rattle from gears, rolling posts and body assembly are eliminated. Thanks to the incorporation of special elastic components on the main parts, transmission of string vibration to the instrument is maximized. Naturally, the results are greatest during arming and bending play, here high-technology takes machine heads to the ultimate.

* Rock-solid String Post PAT.(PCT)

Usual string post ROCK-SOLID





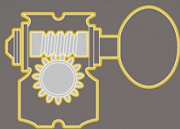
X-Finish
The ultimate finish,
repels all water and dirt
and gives inimitable look.

X-Finish employs Lubri-Plate as an exterior coating. This high quality finish which produces our unique color, provides a fusion of extreme water-repelling properties with superb lubrication. Up until now, coatings became oxidized with the passage of time, by sweat and lubrication oil building-up, which then attracts dust and dirt; resulting in corrosion. X-finish repels both water and grime, protecting moving parts from rust and dirt.

The end result is a major step forward in durability and functionality for the rotative portion.

The color may change depending on conditions of use, but there's no negative effect on performance. Machine heads treated with X-Finish and Lubri-Plate deliver unsurpassed tuning-response and superior durability.

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

■ Guitar Machine Heads

SG-510Series • SE-510Series • SE-700Series • SD-510Series

■ Classic Guitar Machine Heads

35G510AM • 35G510MF • 35G510S

■ Bass Guitar Machine Heads

RES-O-LITE Series
GB350 • GB640 • GBR640 • GB528 • GB528S

■ Tremolo Units

EV510T • EV510TS

■ Guitar Bridges

510FA • 510FB • 510UB

■ Bass Bridges

J510SJ/BO • 404SJ/BO • 303SJ/BO

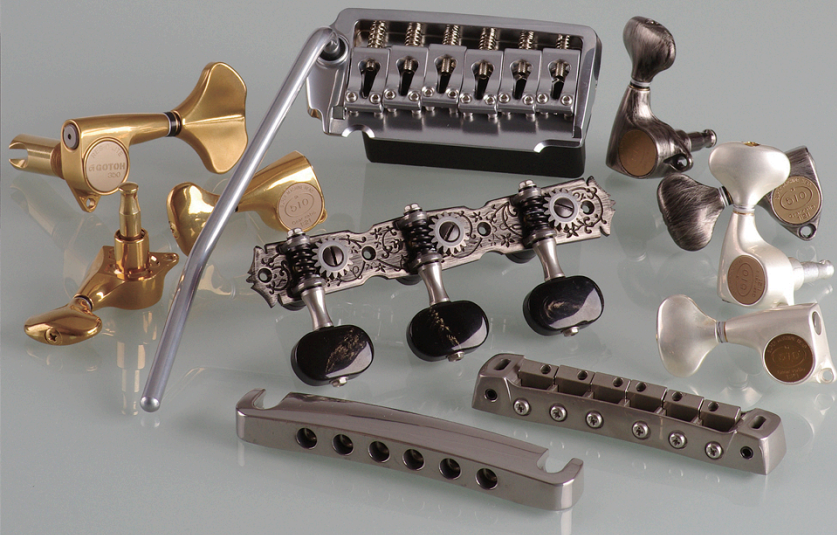




Image of H.A.P. function



H.A.P.[®] [Height Adjustable Post]_{W. PAT.}

With the H.A.P. system, it's ability to adjust post height, means that the pressure which the nut puts on the string can be adjusted on each individual string, so obtaining the ideal amount of string oscillation. This ability to control string sustain and touch tension allows the musician to configure a set-up which perfectly for them. Thanks to its ability to set the post at a lower position compared to a standard post, H.A.P. is particularly suited to straight neck type instruments, which have only a slight head angle.

H.A.P.-A[®]_{W. PAT.}

With H.A.P.-A, the range of movement of the post enables it to be set in a far higher position compared to a standard post. When used on angle typed neck (acoustic guitars etc.), the touch tension can be softer and as a result it is easier to hold down strings, simultaneously improving sustain.

H.A.P.-M[®]_{W. PAT.}

The H.A.P.-M system combines the H.A.P. system with the Magnum Lock. H.A.P.-M already has an established reputation, but now whilst retaining the original functionality, we've altered the string holes for the 1st, 2nd and 3rd strings to a better diameter ($\phi 1.2$) so a more positive string lock is possible. On neck types with only a slight head angle, it is possible to hold the string at just the right angle by adjusting the post of each string to a lower setting. In addition, it is possible to remove the string retainer, thus doing away with excessive frictional resistance and providing improved tuning stability at the same time.



H.A.P. String post



H.A.P.-A String post



H.A.P.-M String post

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Standard string post

The SG-series and SD-series of GOTOH machine heads, offer a variety of posts: Standard, Magnum Lock (MG), and H.A.P. / H.A.P.A. / H.A.P.M with the ability to adjust the height of the post. By installing the "Rock-Solid String Post" (not available for all models) which eliminates unwanted rattle of the post, keeps the tune back from arming and bending play. GOTOH's state the art technology, developmental prowess and technical skill have won the confidence of custom builders around the world.

*For details of installation, please check the explanatory video on our website.
<http://www.g-gotoh.com>



MG [MAGNUM LOCK®] ***

The GOTOH Magnum Lock uses string tuning tension for its locking mechanism. Unlike other regular locking pegs, it doesn't overly press the strings, which means there's no fear of strings breaking due to excessive lock. This system avoids the out-of-tune caused by slack of string wounding on string post, once tremolo arm down play. On the New Magnum Lock the string holes for the 1st, 2nd and 3rd strings, now have a more suitable diameter (φ1.2) thus realizing a more positive string-lock, and improved tuning stability than ever before.



Magnum Lock #1~#3 φ1.2



Magnum Lock #4~#6 φ1.8



Magnum Lock String post

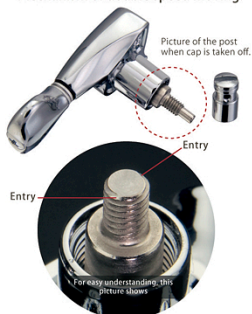


DSL [DOUBLE SPEED MAGNUM LOCK®] *** [DOUBLE SPEED H.A.P.-MAGNUM LOCK®] ***

The MG and H.A.P.M have evolved for the SG510 series and SD510 series. Moving the lock-nut is now twice as fast though they still retaining their original style and functionality. Locking a string down now takes half the time it does when compared with the standard MG.

* MG and H.A.P.M come equipped with double-speed lock on all models in the SG510 series and SD510 series.

Mechanism of double speed moving.




Allways follow the instructions in the instruction manual / leaflet.

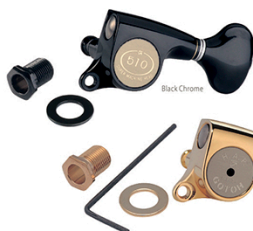
Guitar ▶ L3+R3 L6 for Right Hand R6 for Left Hand
Bass ▶ L2+R2 L4 for Right Hand R4 for Left Hand

This is a super tuner recognized as such around the world.

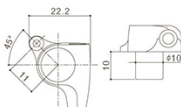
They use a 1:21 gear ratio: a world first. The SG510 series has evolved through improvement without compromise at any stage and come equipped with a considerable application of high-technology as standard. With the improvement of precision fitting gears, marvelous touch on playing---they have gained a considerable reputation and are trusted as the No.1 machine head by many musicians all over the world.

SGS510

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 15
e.g.	SGS510-S5-L-HAPM SGS510-B07-R-HAP SGS510-L5



Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)

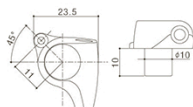


SGL510

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 18
e.g.	SGL510-P2 SGL510-L5 HAPA SGL510-H01 MG



Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)

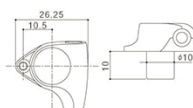


SGV510

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 18
e.g.	SGV510-L5 SGV510-P1 MG SGV510-END01 HAPA



Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)



Finishes : C (Chrome), GG (Gold), B (Black Chrome), CK2 (Cosmo Black 2), XN (X-Nickel), XC (X-Chrome), XG (X-Gold)

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

SG510 Series BUTTON OPTION

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



Common use for all types.

S5 (Zinc)	A07 (Aluminum)	BS5 (Plastic)	P7 (Plastic)	P8 (Plastic)	B07 (Plastic)	M07 (Plastic)	EN07 (Wood)	L5 (Zinc)	A01 (Aluminum)	A20 (Aluminum)	P1 (Plastic)	P2 (Plastic)	BL5 (Plastic)	ML5 (Plastic)	EN01 (Wood)



Exclusive use for 3-on-side (L3+R3)
* It is unsuitable for "G inline."

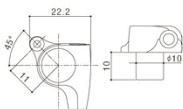
The button of "Zinc and Aluminum" becomes the same color as body.

SGS510Z

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 18
e.g.	SGS510Z-EN07 SGS510Z-B55-L HAP SGS510Z-P7-L MG



Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)

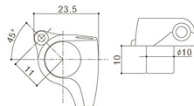


SGL510Z

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 21
e.g.	SGL510Z-L5 SGL510Z-EN01 MG SGL510Z-P1 HAPM



Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)

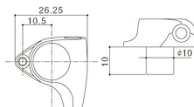


SGV510Z

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 21
e.g.	SGV510Z-BL5 HAP SGV510Z-S5 SGV510Z-L5 HAPM



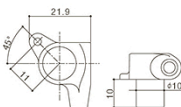
Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)



* "Z" of 510Z meant the ultimate and has realized the high gear ratio (SGS510Z is 1:18) of "1:21."

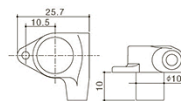
SG503

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2
Gear ratio	1 : 15
e.g.	SG503-P7-L HAPM SG503-07-R HAP SG503-05



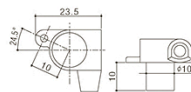
SG301

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2
Gear ratio	1 : 18
e.g.	SG301-EN01 SG301-01 MG SG301-P1



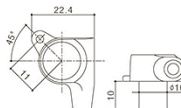
SG360

Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2
Gear ratio	1 : 14
e.g.	SG360-M07 SG360-05-R HAP SG360-H01 MG



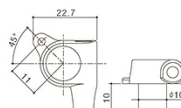
SG381





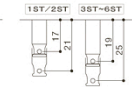


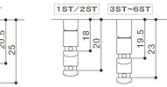
Head Type	
String Post	STANDARD, MG, HAP, HAP-A, HAP-M
Finishes	C, GG, B, CK2
Gear ratio	1 : 16
e.g.	SG381-05-L HAPM SG381-B07-R HAP SG381-04



SGM

Head Type	
String Post	STANDARD, MG
Finish	C
Gear ratio	1 : 16
e.g.	SGM-05P1-L SGM-07-R-MG SGM-20



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

SG Series BUTTON OPTION

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



Common use for all types.

The button of "Zinc and Aluminum" becomes the same color as body.



AB07
(Aluminum)



07
(Zinc)



05
(Zinc)



P7
(Plastic)



P8
(Plastic)



B07
(Plastic)



05P1
(Plastic)



M07
(Plastic)



EN07
(Wood)



Exclusive use for 3-on-side (L3+R3)

* It is unsuitable for "6 inline."



AB01
(Aluminum)



01
(Zinc)



AB20
(Aluminum)



20
(Zinc)



04
(Zinc)



P1
(Plastic)



P2
(Plastic)



EN01
(Wood)



B01
(Plastic)



B20
(Plastic)



M01
(Plastic)



SE510 SERIES

Electric and Acoustic Guitar Machine Heads

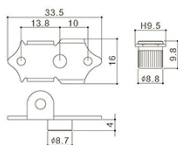
Open gear type machine heads are often considered inferior in both performance and durability compared to the "Rotomatic" type of sealed machine head. Some say that because the main section and bushing are separate, it has been difficult to center the post on the bushing hole, when attaching the assembly to the guitar. To solve this problem, the SE510 series is equipped with a self centering guide in the lower part of the main section, and in combination with the Rock solid string post any side-to-side movement is minimized. The improved performance and durability which the SE510 series provides, thanks to GOTOH's unique construction, gives you the chance to experience the sound which never heard before.

SE510

Head Type	
String Post	STANDARD
Finishes	N. C. GG. B. CK2. XN. XC. XG
Gear ratio	1 : 15
e.g.	SE510-05M SE510-SL

*Self-stop nut Pat.

*Self-center guide U.S. PAT.

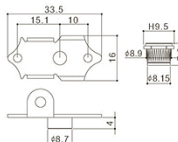


SE510M

Head Type	
String Post	STANDARD
Finishes	N. C. GG. B. CK2. XN. XC. XG
Gear ratio	1 : 15
e.g.	SE510M-05MA SE510M-P5W

*Self-stop nut Pat.

*Self-center guide U.S. PAT.

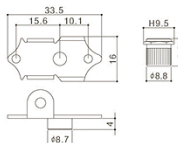




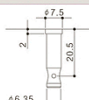
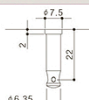
SE510W

Head Type	
String Post	STANDARD
Finishes	N. C. GG. B. CK2. XN. XC. XG
Gear ratio	1 : 15
e.g.	SE510W-06M SE510W-SL

*Self-stop nut Pat.

*Self-center guide U.S. PAT.



String post dimension	SE510	SE510M / SE510W	SE700	SE770 / SE780
				

Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK2 (Cosmo Black 2), XN (X-Nickel), XC (X-Chrome), XG (X-Gold)

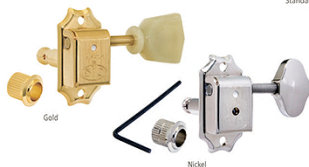


Kluson type machine heads are criticized for not having the same smooth performance, efficiency and durability that sealed gear tuners have. The SD510 series solves these problems by combining "Rock-solid™" technology and the post collar or "self-center guide", found on enclosed gears in the base plate of the gear allowing the post to perfectly align itself with the bushing which attaches the gear to the headstock. The SD510 series uses a torque balancer to ensure steady rotation of the tuner button giving high quality sound performance as well as great functionality. Through it is use of the ideal materials selected for each component part you also obtain a far superior sound.

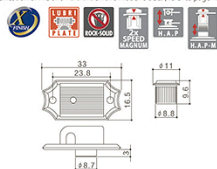
SD510

Head Type	
String Post	STANDARD, MG, H.A.P., H.A.P.-A, H.A.P.-M
Finishes	N, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 15
e.g.	SD510-05M SD510-SL HAPA

*Self-center guide U.S. PAT.



Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)



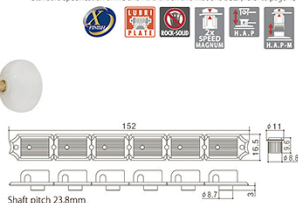
SDS510

Head Type	
String Post	STANDARD, MG, H.A.P., H.A.P.-M
Finishes	N, GG, B, CK2, XN, XC, XG
Gear ratio	1 : 15
e.g.	SDS510-05M-L MG SDS510-P5W R

*Self-center guide U.S. PAT.



Standard specification of MG and H.A.P.M. on this model is DSL. (Refer to page 4)



String post dimension	SD510 STANDARD	SDS510 STANDARD	MG	SD510 HAP	SDS510 HAP	HAPA	SD510 HAPM	SDS510 HAPM
	±6.35 19.5	±6.35 24.6	±6 20	±6 17 24.5	±6 16 20.5 17 24.5	±6 20 27	±6 18.5 22	±6 17 20.5 18.5 22
				15T-35T	45T-65T			15T-35T

SD510 / SD Series BUTTON OPTION

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



Common use for all types.

The button of "Zinc" becomes the same color as body.



05M
(Zinc)



05MA
(Plating)



06M
(Zinc)



SL
(Plating)



SLB
(Plating)



B5
(Plating)



M5
(Plating)



P5W
(Plating)

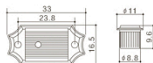


P5R
(Plating)

SD SERIES

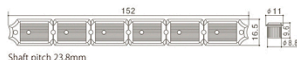
SD90

Head Type	
String Post	STANDARD, MG, H.A.P., H.A.P.-A, H.A.P.-M
Finishes	N. GG. B. CK2
Gear ratio	1 : 15
e.g.	SD90-SL SD90-SLB MG



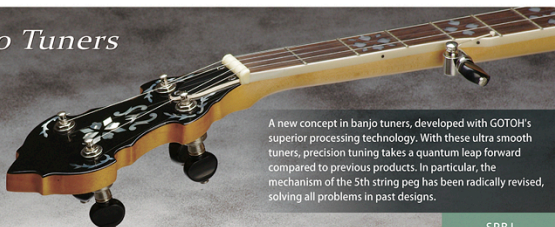
SD91

Head Type	
String Post	STANDARD, MG, H.A.P., H.A.P.-M
Finishes	N. GG. B. CK2
Gear ratio	1 : 15
e.g.	SD91-05M-L HAPM SD91-M5-R



String post dimension	SD90 STANDARD	SD91 STANDARD	MG	SD90 HAP	SD91 HAP	HAPA	SD90 HAPM	SD91 HAPM
	19.5	24.6	20	17	20.5	20	21.5	21.5
				15T-35T	45T-65T			15T-35T

Planetary Banjo Tuners



A new concept in banjo tuners, developed with GOTOH's superior processing technology. With these ultra smooth tuners, precision tuning takes a quantum leap forward compared to previous products. In particular, the mechanism of the 5th string peg has been radically revised, solving all problems in past designs.

SPBJ-4

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



SPBJ-5

Finishes	N. C. GG
Gear ratio	1 : 13
e.g.	SPBJ-5-PW SPBJ-5-AIB



SPBJ BUTTON OPTION

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



PW
(Plastic)



AI
(Plastic)



AIB
(Plastic)

Finishes : N (Nickel), C (Chrome), GG (Gold)

STEALTH

The world's smallest Tuning-key

GOTOH STEALTH-Key pat.p

The smallest and lightest tuning keys.

They are available to use for guitar, ukulele, or other stringed instruments that have string tension of less than 20kgs. (44 lbs.).

* Gotoh is not responsible for any damage when in use by string tension of over 20kgs. (44 lbs.).

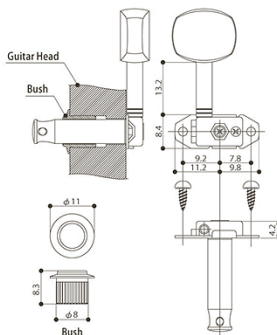


STEALTH-KEY SERIES

ST31 ST31 STM31 STP31 STS31 STV31



Head Type	GUITAR UKULELE
Finishes	C, GG, CK2
Gear ratio	1 : 18 <i>Micro worm gear</i>
e.g.	ST31-SB2 STP31-SB3 STM31-SB5L



For Electric and Acoustic Guitar
For Ukulele



Finishes: N (Nickel), C (Chrome), GG (Gold), CK2 (Cosmo Black 2)

Contributes to the possibility of musical instrument design.

ST31 - Only 11.9 grams. (In case of SB5 and standard post)

※Weight was measured except for the bush and screw.



Example of layout

Fig. 1
Installation to
the head side.

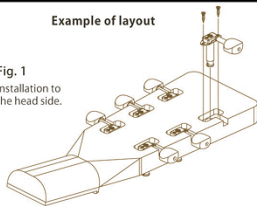


Fig. 2
Embedding is
possible on a head.

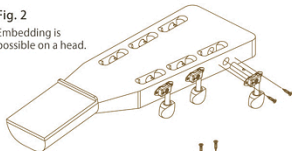
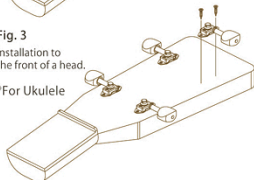


Fig. 3
Installation to
the front of a head.

*For Ukulele



The smallest size and lightest weight.

- Super compact housing: 8.5mm long, 21mm wide and 4.5mm in height.
- 1/3 to 1/2 the weight compared to that of an ordinary guitar machine head.
(11 to 12 grams each for original aluminum buttons and standard post.)

High precision

- A gear ratio of 18:1 with micro-worm gear inside for smooth tuning.
- All parts are micro-precision machined, so they're both compact and strong.
- All working parts have bearings and metal washers fitted, giving a very smooth action despite its small size.

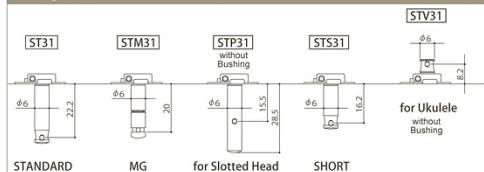
Function

- A choice of tuner posts and buttons means they are suitable for use on electric guitars, acoustic guitars, ukuleles, etc. (String tension must be under 20kg. [44lbs])
- The post can be fitted from the upper face of the cover (side with the GOTOH logo on), please refer to fig.3 (String tension must be under 10kg. [22lbs])
- A wide variety of new layouts for instruments are now feasible, such as embedding in the headstock of the instrument, installing on the front of the headstock, or from the side of the headstock, greatly extending the range of what's possible.
* Refer to Figs. 1, 2 and, 3.
- Thanks to weight saved it's easier to adjust the balance of body and headstock of the instrument making long performances less tiring.
- The housing is in an elegant satin black and all other parts have a quality finish.
- The button and torque adjustment screw incorporates a locking mechanism. It is unlikely to loosen even after prolonged use. Though, with wear on the washer, loosening may occur, so adjustment is required.
- Main components are made of stainless steel, aluminum and brass, all of which are very resistant to corrosion.
*CAUTION : Although stainless steel is resistant to rust, under some conditions, it may rust.

Ecology

- For the sake of the environment it is important to reduce the use of raw materials. STEALTH keys contain 1/3 to 1/2 the amount of material compared to ordinary keys.
- It is vital to recycle resources to protect the environment. All the main parts of STEALTH keys are composed of recyclable materials. All parts are constructed so that it is possible to dismantle them. At the end of their lifetime, if dismantled and each material handed to the relevant professionals, these precious resources can be recycled.

String Post Dimensions



STEALTH Key BUTTON OPTION

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

Extension Shaft-less type

Material : Aluminum



These parts are born from GOTOH's latest, state of the art manufacturing processes.

In order to breathe life into these parts and to build the finest machine heads in the world, they are exquisitely finished by skilled artisans, with absolutely no compromise.

The work of craftsmen on each individual part has gained the classic machine heads of the 35G510 series, critical acclaim and trustworthiness in the eyes of musicians all over the world.

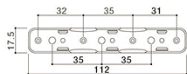
*An image picture is not regular specification.

* Please bear in mind that some conversion work to the guitar head may be necessary for fitting the "35P Rock-Solid". (Please refer to conversion reference)

35G510AM

String Post	35G, 35AR, 35P
Finishes	XN, XG, XCK2
Gear ratio	1 : 16
e.g.	35G510AM-BB 35G510AM-KM
Material	Hard Aluminum

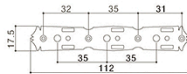
X-Nickel



35G510MFB

String Post	35G, 35AR, 35P
Finish	SB
Gear ratio	1 : 16
e.g.	35G510MFB-BM 35G510MFB-P
Material	Aluminum Bronze

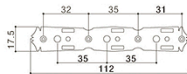
Solid Brass



35G510MF

String Post	35G, 35AR, 35P
Finishes	XN, XG, XCK2
Gear ratio	1 : 16
e.g.	35G510MF-M 35G510MF-EN

X-Cosmo Black 2



35G SERIES

Classic Guitar Machine Heads

* Please bear in mind that some conversion work to the guitar head may be necessary for fitting the "35P Rock-Solid". (Please refer to conversion reference)

35G3600

String Post
35G, 35P

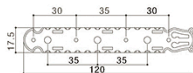
Gear ratio
1 : 14

e.g.

35G3600-BB
35P3600-2W



Finish FG (Flash Gold)



35G3600T

String Post
35G, 35P

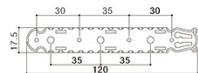
Gear ratio
1 : 14

e.g.

35G3600T-1R
35P3600T-EN



Finish Two-Tone (Ni, GG)



35G1800

String Post
35G, 35P

Finish SB

Gear ratio
1 : 14

e.g.

35G1800-2M
35P1800-1W



35G1600

String Post
35G, 35P

Finish GG

Gear ratio
1 : 14

e.g.

35G1600-2R
35P1600-1M



35G620

String Post
35G, 35P

Finish GG

Gear ratio
1 : 14

e.g.

35G620-EI
35P620-EW



35G Series BUTTON OPTION

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



1W
(Plastic)



1R
(Plastic)



2W
(Plastic)



2R
(Plastic)



2M
(Plastic)



BB
(Plastic)



EN
(Wood)



EW
(Plastic)

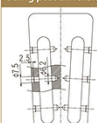


EI
(Plastic)

String post dimension

35G

35P



for 35G3600, 35G1800, 35G1600, 35G620

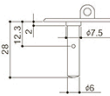
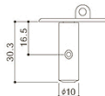


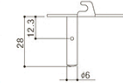
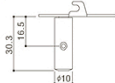
Figure of working reference

String post dimension

35G

35P

for 35G420
35G350

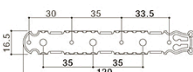


35G420

String Post
35G, 35P

Finish SG

Gear ratio
1 : 14



35G350

String Post
35G, 35P

Finish N

Gear ratio
1 : 14



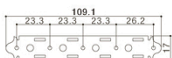
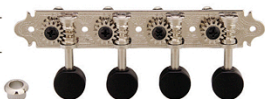
MANDOLIN MACHINE HEADS

MA40

Finishes
N, GG

Gear ratio
1 : 14

e.g.
MA40-MM
MA40-MP

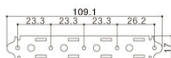


MA40R

Finishes
N, GG

Gear ratio
1 : 14

e.g.
MA40R-MP
MA40R-MM



* Minimum production
for 30 sets per color is required.

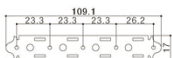
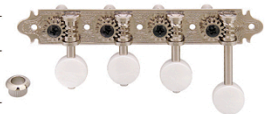
Reverse gearing

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



* Minimum production
for 30 sets per color is required.

Reverse gearing

String post dimension for MA40, MA40R, MF40, MF40R



MA40/MF40 BUTTON OPTION

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



MP
(Plastic)



MB
(Plastic)

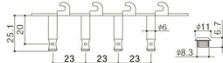
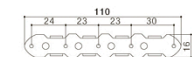


MM
(Plastic)

M120

Finishes
N, GG

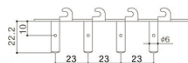
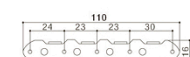
Gear ratio
1 : 14



M120S

Finishes
N, GG

Gear ratio
1 : 14



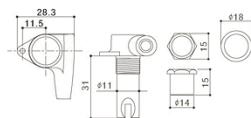


Bass Machine Heads

GB720

Head Type	
Finishes	C. GG. B. CK2
Gear ratio	1 : 20

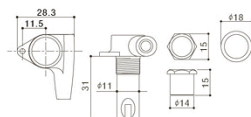
Aluminum shaft
Plastic button (Plated)
World Design Pat.



GB707

Head Type	
Finishes	C. GG. B. CK2
Gear ratio	1 : 20

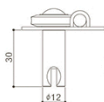
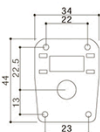
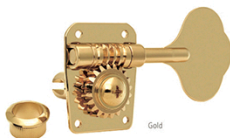
World Design Pat.



Bass Machine Heads

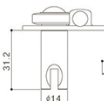
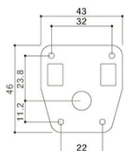
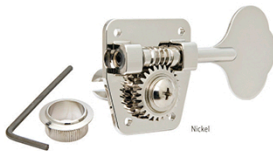
GB1

Head Type	
Finishes	N, GG, B, CK2
Gear ratio	1 : 20



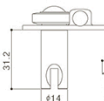
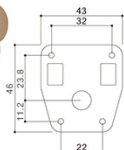
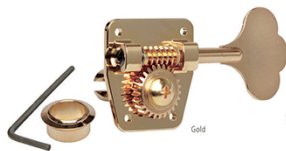
GB2

Head Type	
Finishes	N, GG, B, CK2
Gear ratio	1 : 26



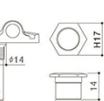
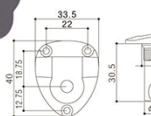
GB29

Head Type	
Finishes	N, GG, B, CK2
Gear ratio	1 : 26
Reverse wind	



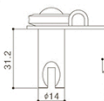
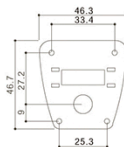
GB11W

Head Type	
Finishes	C, GG, B, CK2
Gear ratio	1 : 20



FB3

Head Type	
Finishes	N, GG, B, CK2
Gear ratio	1 : 20



Ukulele Peg



UK12

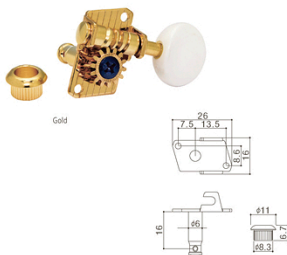
Finishes : N. GG

Gear ratio : 1 : 14

e.g. : UK12-05MA
UK12-B5

The ultra-light peg constructed using a unique aluminum alloy.

With a gear ratio of 1:14, tuning is very user-friendly. There's no fear of the peg rotating back during a performance and since it's ultra-light, problems of "neck-dive" are also eliminated.



UK700

Finishes : N. GG

Gear ratio : 1 : 15

e.g. : UK700-M5
UK700-B5

High performance pegs, with the H.A.P. system

The renowned H.A.P. system for guitar machine heads comes as standard. Height adjustable string post enables to change the string pressure. Pegs fit to 9-16mm thickness headstock.

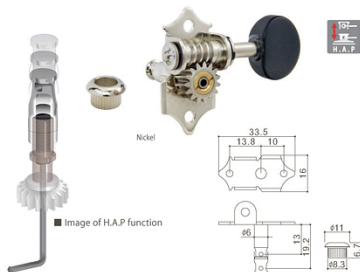


Image of H.A.P. function

UK12 / UK700 BUTTON OPTION

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



05MA
(Plastic)



B5
(Plastic)



M5
(Plastic)

UKA

Finishes : N. GG

Gear ratio : 1 : 1

e.g. : UKA-3W
UKA-4B

To keep weight down, aluminum alloy is used in the tuner components but these parts are not left with the usual anodizing finish, they are given a coating layer plated finish to ensure that they are extremely hard-wearing. To prevent counter rotation and yet provide smooth winding, our unique mechanism is employed.



UKB

Finishes : N. GG

Gear ratio : 1 : 1



UKA BUTTON OPTION

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



3W
(Plastic)



3R
(Plastic)



4I
(Plastic)



4B
(Plastic)

Finishes : N (Nickel), GG (Gold)

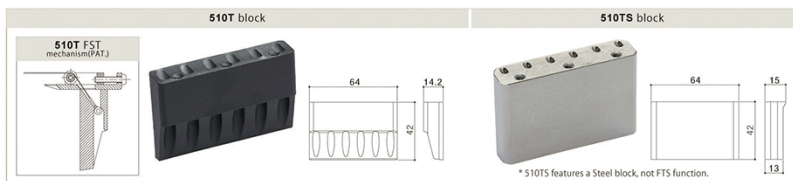
Tremolo 510 Series

Tremolo Units

510 T series does not follow conventional vintage style, but instead pursues the goal of greater tremolo functionality. It has a low clearance arm system of our own design. To guarantee a strong and hard-wearing tremolo blade, extremely resilient chromium molybdenum steel was adopted for the plate. It's finished with high-grade heat treatment and precision machining. There are a 6 pivot point type, the same as the synchronized style and a 2 pivot point anchor nut type, which incorporates stud lock (PAT.)* In addition, GOTOH's original FST feature (PAT.) between the saddle and ball end, keeps the strings from touching the plate. Because of the power spring, the unit's neutral balance is always maintained and the ability to return to tune when using the tremolo arm is significantly improved.

The 510TS comes with the popular steel block as standard.

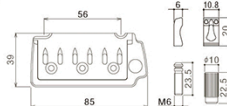
*Stud lock (PAT.) system mechanically fixes the clearance between anchor and stud bolt, eliminating loss of sound transmission to the body.



EV510T-BS EV510TS-BS

Finishes C, GG, B, CK2, XN, XC, XG

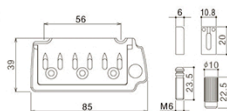
Brass saddle
String pitch 10.8mm
Stud lock-Pat.



EV510T-FE EV510TS-FE

Finishes C, GG, B, CK2, XN, XC, XG

Steel saddle,
String pitch 10.8mm
Stud lock-Pat.



Finishes : C (Chrome), GG (Gold), B (Black Chrome), CK2 (Cosmo Black 2), XN (X-Nickel), XC (X-Chrome), XG (X-Gold)

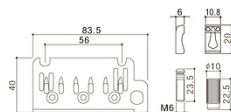
510T-BS1 510TS-BS1

Finishes C, GG, B, CK2

Brass saddle
String pitch 10.8mm
Stud lock-Pat.



Cosmo Black 2



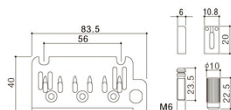
510T-FE1 510TS-FE1

Finishes C, GG, B, CK2

Steel saddle,
String pitch 10.8mm
Stud lock-Pat.



Gold



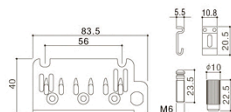
510T-SF1 510TS-SF1

Finishes C, GG, B, CK2

Steel saddle(sheet metal),
String pitch 10.8mm
Stud lock-Pat.



Chrome



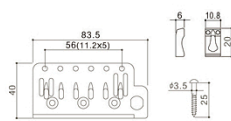
510T-BS2 510TS-BS2

Finishes C, GG, B, CK2

Brass saddle
String pitch 10.8mm



Gold



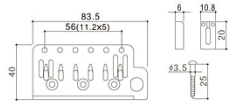
510T-FE2 510TS-FE2

Finishes C, GG, B, CK2

Steel saddle,
String pitch 10.8mm



Chrome



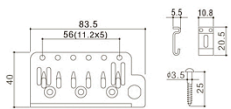
510T-SF2 510TS-SF2

Finishes C, GG, B, CK2

Steel saddle(sheet metal),
String pitch 10.8mm



Black Chrome



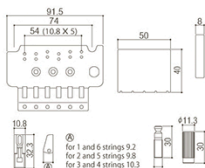
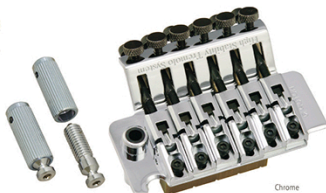
TREMOLO UNITS & LOCK NUTS

Tremolo Units & Lock Nuts

GE1996T

Finishes C, GG, B, CK2

Specially processed
steel saddle,
string pitch 10.8mm
Stud lock-Pat.

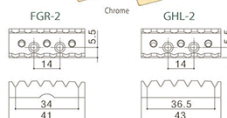
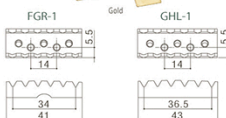
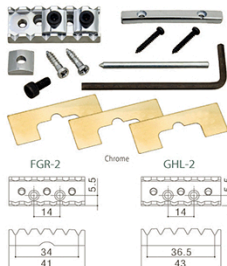
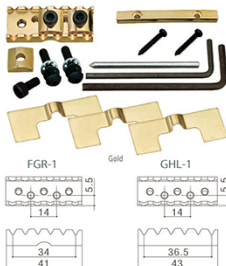


FGR-1 FGR-2

Finishes C, GG, B, CK2

GHL-1 GHL-2

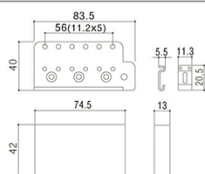
Finishes C, GG, B, CK2



GE101T

Finishes C, GG, B, CK2

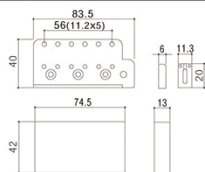
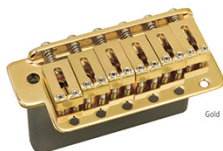
Steel saddle (sheet metal),
string pitch 11.3mm



GE102T

Finishes C, GG, B, CK2

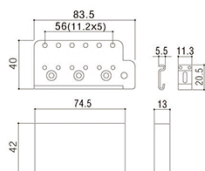
Steel saddle,
string pitch 11.3mm



GE101TS

Finishes C, GG, B, CK2

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



Finishes : C (Chrome), GG (Gold), B (Black Chrome), CK2 (Cosmo Black 2), XN (X-Nickel), XC (X-Chrome), XG (X-Gold)



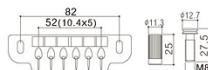
510UB

Finishes : C, GG, B, CK2, XN, XC, XG

Hard zinc saddle
Stud lock-Pat.



Cosmo Black 2



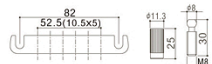
510FA

Finishes : C, GG, B, CK2, XN, XC, XG

Material / Aluminum
Stud lock-Pat.



Chrome



510FB

Finishes : C, GG, B, CK2, XN, XC, XG

Brass saddle
Stud lock-Pat.



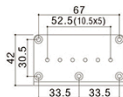
Chrome



GTC101

Finishes C, GG, B, CK2

Brass saddle,
string pitch 10.5mm

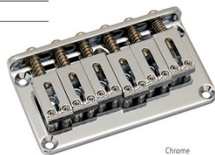
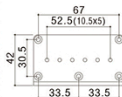


Black Chrome

GTC102

Finishes C, GG, B, CK2

Steel saddle,
string pitch 10.5mm

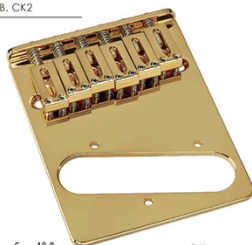
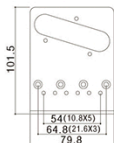


Chrome

GTC201

Finishes C, GG, B, CK2

Brass saddle,
string pitch 10.8mm

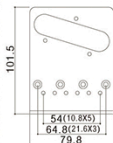


Gold

GTC202

Finishes C, GG, B, CK2

Steel saddle,
string pitch 10.8mm



Chrome

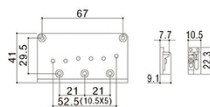
GTC12

Finishes C, GG, B, CK2

Hard zinc saddle,
string pitch 10.5mm
for 12-strings



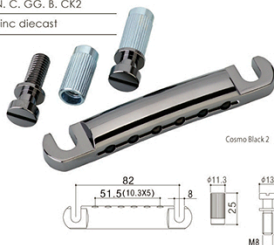
Gold



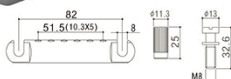
GE101Z

Finishes N, C, GG, B, CK2

Material Zinc diecast



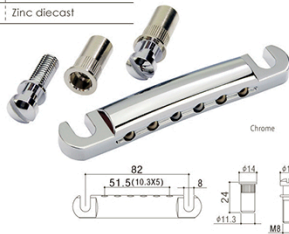
Cosmo Black 2



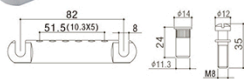
GE101Z-T

Finishes N, C, GG, B, CK2

Material Zinc diecast

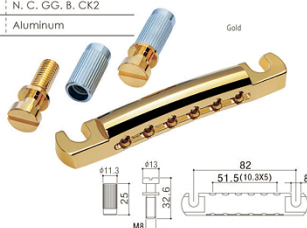


Chrome



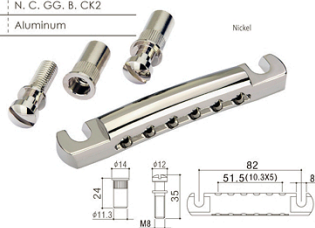
GE101A

Finishes	N. C. GG. B. CK2
Material	Aluminum



GE101A-T

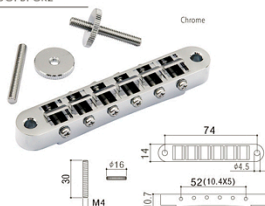
Finishes	N. C. GG. B. CK2
Material	Aluminum



GE103B

Finishes	N. C. GG. B. CK2
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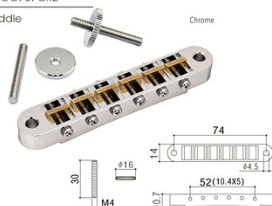
Hard zinc saddle



AS103B

Finishes	N. C. GG. B. CK2
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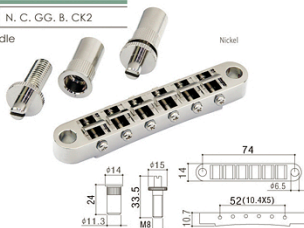
Aluminum Bronze saddle



GE103B-T

Finishes	N. C. GG. B. CK2
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Hard zinc saddle



AS103B-T

Finishes	N. C. GG. B. CK2
----------	------------------

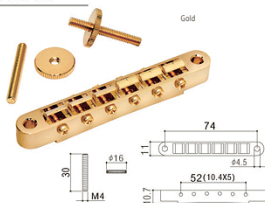
Aluminum Bronze saddle



GE104B

Finishes	N. C. GG. B. CK2
----------	------------------

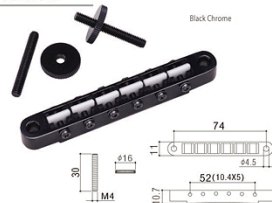
Hard zinc saddle



GEP104B

Finishes	N. C. GG. B. CK2
----------	------------------

Plastic saddle



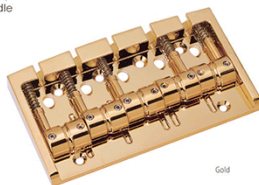
"Multi-Tonal" Series

Bass Bridges

303SJ

Finishes : C, GG, B, CK2, XN, XC, XG

Duralumin plate,
Steel saddle



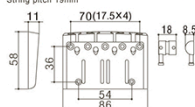
Gold



303SJ-4

String pitch 19mm

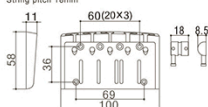
4-strings



303SJ-5

String pitch 18mm

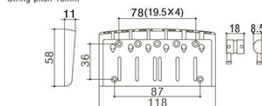
5-strings



303SJ-6

String pitch 18mm

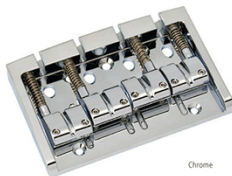
6-strings



303BO

Finishes : C, GG, B, CK2, XN, XC, XG

Duralumin plate,
Brass Saddle



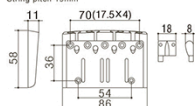
Chrome



303BO-4

String pitch 19mm

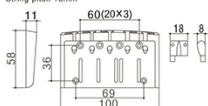
4-strings



303BO-5

String pitch 18mm

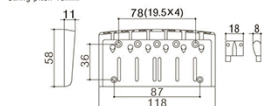
5-strings

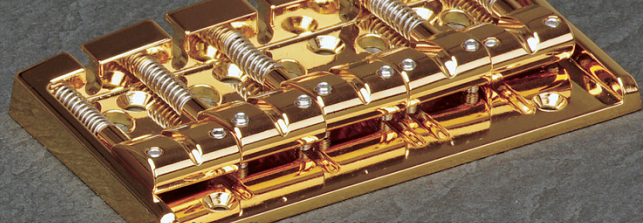


303BO-6

String pitch 18mm

6-strings





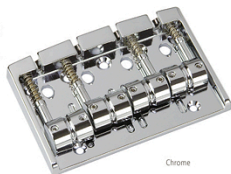
With the ability to choose the combination of base plate and saddle freely, the 303/404/J510 base bridge series meets the exacting needs of base players and custom builders. The base plate of the 303 model employs a special duralumin alloy for the plate, which we call "RES-O-LITE".

Thanks to the acoustic features peculiar to RES-O-LITE, string oscillations can be quickly transmitted to the body. The base plate of 404/J510 model using hard zinc with reputed for its tonal quality, produces a more sonorous tone. Combine with a choice of either a steel (SJ), or brass (BO) saddle for each series and you can build an original bridge with a unique sound.

404SJ

Finishes C. GG. B. CK2. XN. XC. XG

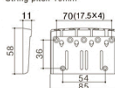
Hard zinc plate,
Steel saddle



Chrome

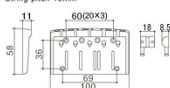
404SJ-4

String pitch 19mm



4-strings 404SJ-5

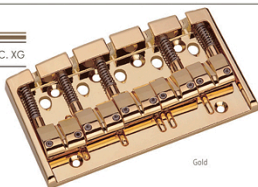
String pitch 18mm



404BO

Finishes C. GG. B. CK2. XN. XC. XG

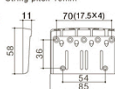
Hard zinc plate,
Brass saddle



Gold

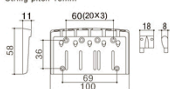
404BO-4

String pitch 19mm



4-strings 404BO-5

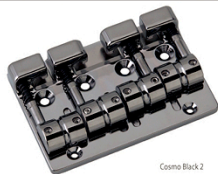
String pitch 18mm



J510SJ

Finishes C. GG. B. CK2. XN. XC. XG

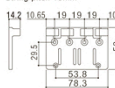
Hard zinc plate,
Steel saddle



Cosmo Black 2

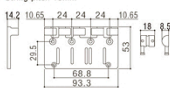
J510SJ-4

String pitch 19mm



4-strings J510SJ-5

String pitch 18mm



J510BO

Finishes C. GG. B. CK2. XN. XC. XG

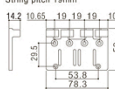
Hard zinc plate,
Brass saddle



Chrome

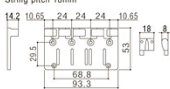
J510BO-4

String pitch 19mm



4-strings J510BO-5

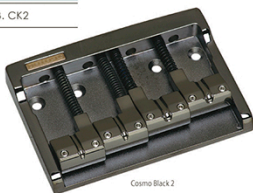
String pitch 18mm



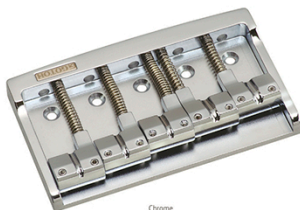
S510B

Finishes C, GG, B, CK2

Brass saddle
Steel plate
String pitch : 19mm



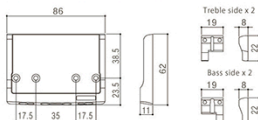
Cosmo Black 2



Chrome

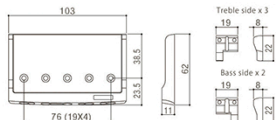
S510B-4

4-strings



S510B-5

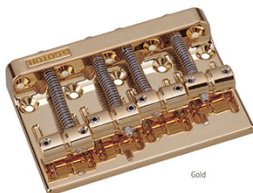
5-strings



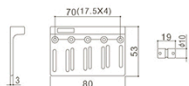
201B-4

Finishes C, GG, B, CK2

Brass saddle,
String pitch 19mm



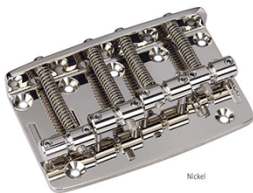
Gold



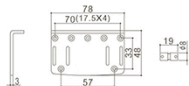
203B-4

Finishes N, C, GG, B, CK2

Brass Saddle,
String pitch 19mm



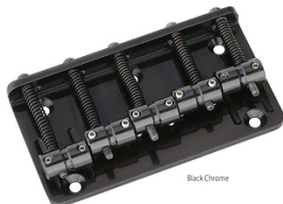
Nickel



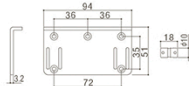
205B-5

Finishes N, C, GG, B, CK2

5-strings
Brass saddle,
string pitch 18mm



Black Chrome



Art Collection

GOTOH The SUPREME GLYPTOGRAPHY is an ultra fine, high-speed machine carving technology, which makes instrument parts much more aesthetically pleasing.



GUITAR BRIDGE

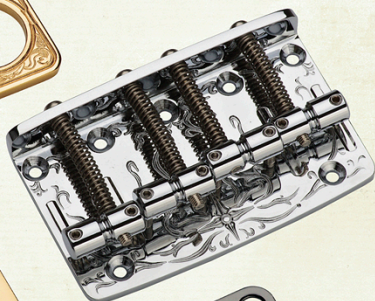
GTC-Art-01

FINISHES : C. GG. B. CK2

BASS BRIDGE

203B-Art-01

FINISHES : N. C. GG. B. CK2



NECK JOINT PLATE

NBS-Art

FINISHES : C. GG. B. CK2



NBS-Art-01
(Crest)



NBS-Art-02
(Japanese art)



NBS-Art-03
(Eagle)

CONTROL KNOB

VK-Art (VK1-19)

FINISHES : C. GG. B. CK2



VK-Art-01 (Eye of Horus)



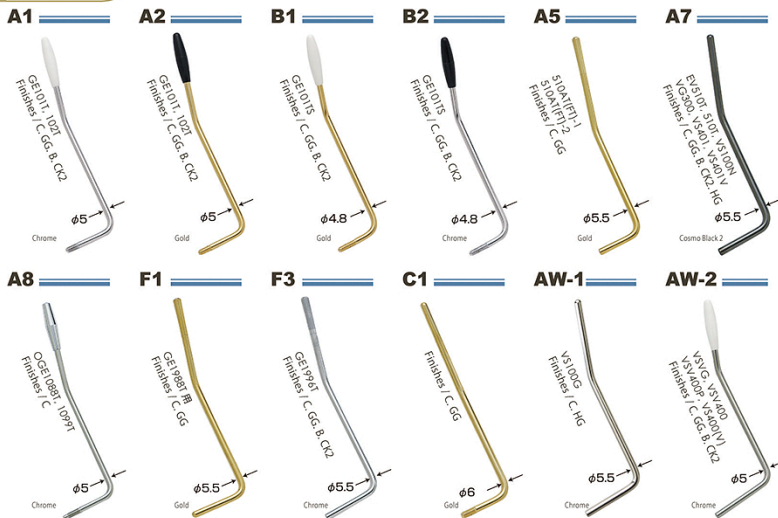
VK-Art-02 (Skull)



VK-Art-03 (Cross)



Arms



Finishes : C (Chrome), GG (Gold), B (Black Chrome), CK2 (Cosmo Black 2), HG (Honed Gold)

Saddle Sets

S101

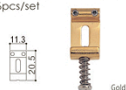
Finishes : N, GG, B, CK2
Material : Steel (sheet metal)
 6pcs/set



Nickel

S101S

Finishes : N, GG, B, CK2
Material : Steel (sheet metal) with USA threads screws
 6pcs/set



Gold

S102

Finishes : C, GG, B, CK2
Material : Steel
 6pcs/set



Cosmo Black 2

S108

Finishes : N, GG, B, CK2
Material : Steel (sheet metal)
 6pcs/set



Nickel

S188

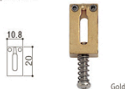
Finishes : N, GG, B, CK2
Material : Steel (sheet metal)
 6pcs/set



Nickel

S199

Finishes : C, GG, B, CK2
Material : Steel
 6pcs/set



Gold

S11

Finishes : C, GG, B, CK2
Material : Brass
 6pcs/set



Gold

S21

Finishes : C, GG, B, CK2
Material : Steel
 6pcs/set



Chrome

S12

Finishes : C, GG, B, CK2
Material : Brass
 6pcs/set



Cosmo Black 2

S22

Finishes : C, GG, B, CK2
Material : Steel
 6pcs/set



Gold

SW-3

Finish : SB
Material : Brass
 3pcs/set



S201

Finishes : C, GG, B, CK2
Material : Brass
 4pcs/set



Chrome

S203

Finishes : N, C, GG, B, CK2
Material : Brass
 4pcs/set



Gold

S205

Finishes : N, C, GG, B, CK2
Material : Brass
 5pcs/set



Cosmo Black 2

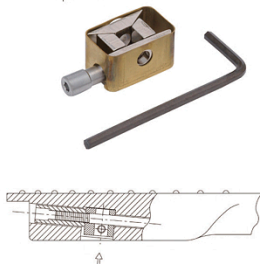
Side Adjuster PAT.P

With the GOTOH Side Adjuster you can adjust the truss rod using a hexagonal wrench from the side of the neck, making it the ideal system for adjusting neck curvature. Unlike ordinary systems there's no need to separate the neck from the body and you don't need to adjust the truss rod through the narrow spaces between the strings. Adjusting the neck is easy, all you need do, is slack off the strings slightly.

* This Side Adjuster is designed for installation at manufacture. It is not a retro-fit.

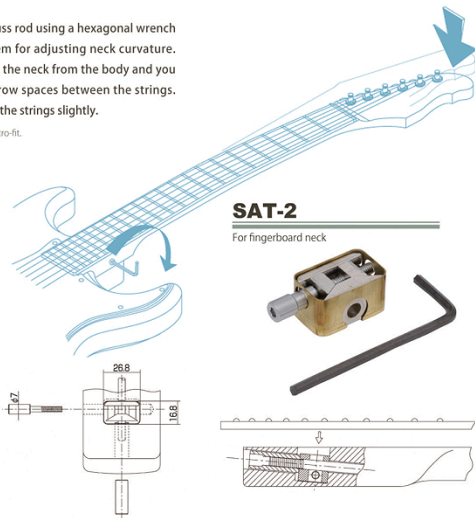
SAT-1

For one-piece neck



SAT-2

For fingerboard neck



Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK2 (Cosmo Black 2), SB (Solid Brass)

Strap Pin

EP-A1

Aluminum



EP-B1

Finishes : N. C. GG. B. CK2



Gold

EP-B2

Finishes : N. C. GG. B. CK2



Cosmo Black 2

EP-B3

Finishes : N. C. GG. B. CK2



Nickel

EP-FR2

Finishes : C. GG. B. CK2

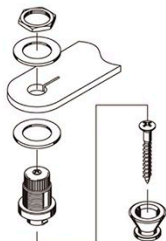


Chrome

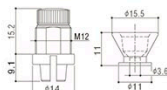
Free Lock

EPR-2

Finishes : C. GG. B. CK2



Gold



String Bushing

TLB-1

Finishes : N. C. GG. B. CK2



Nickel



TLB-2

Finishes : N. C. GG. B. CK2



Cosmo Black 2



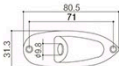
Jack Cover

JCS-1

Finishes : C. GG. B. CK2



Cosmo Black 2



JCB-2

Finishes : C. GG. B. CK2



Chrome



JCB-4

Finishes : C. GG. B. CK2



Gold



Neck Joint Plate

NBS-3

Finishes : C. GG. B. CK2



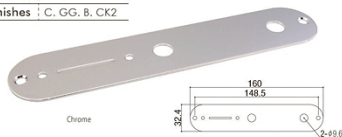
Chrome



Control Panel

CP-10

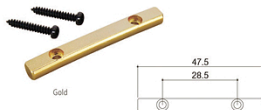
Finishes : C. GG. B. CK2



Tension Bar

TB47.5

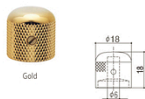
Finishes : C. GG. B. CK2



Dome Knob

VK1-18

Finishes : C. GG. B. CK2



VK1-19

Finishes : C. GG. B. CK2



VK3

Finishes : C. GG. B. CK2



VK15T

Finishes : C. GG. B. CK2



String Retainer

RG15

Finishes
N. C. GG. B. CK2



RG30

Finishes
N. C. GG. B. CK2



RG105

Finishes
N. C. GG. B. CK2



RG130

Finishes
N. C. GG. B. CK2



RB20

Finishes
N. C. GG. B. CK2



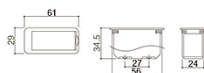
RB30

Finishes
N. C. GG. B. CK2

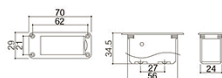


Battery Box

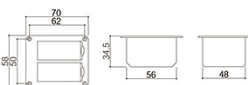
BB-02



BB-04



BB-04W



Wrench Holder

WRH-1W

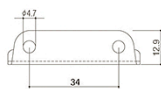


WRH-1



Spring Holder

SPH



Power Spring

PSP

The tremolo is kept neutral by the balance between string tension and the coil spring attached to its block. As return to a neutral point depends merely on the strength of the coil spring, if the spring is not entirely reliable, the guitar will not accurately come back into tune, especially after pushing the arm down. The power spring has a powerful return capacity, stopping the guitar from going out of tune.



Spring

SP





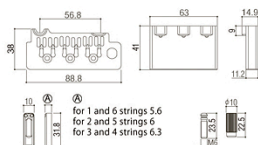
VS100N

Finishes HC, HG, HB, HCK2

String pitch 10.8mm
Stud lock-Pat.



Honed Gold



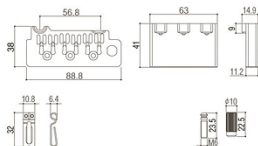
VG300

Finishes C, GG, B, CK2

String pitch 10.8mm
Stud lock-Pat.



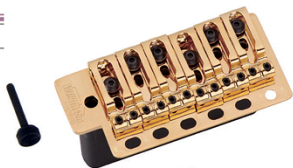
Chrome



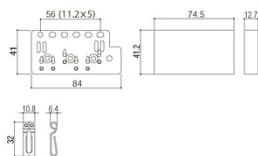
VSVG

Finishes N, GG, B, CK2

String pitch 10.8mm



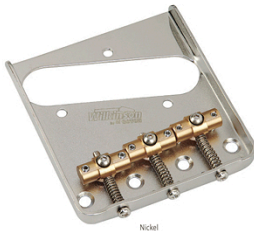
Gold



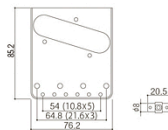
WT3

Finishes N, C, GG (Plate only)

String pitch 10.8mm



Nickel



Parts Collection 2012 - 2013



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