

Parts Collection

Guitar, Bass & String Instruments PARTS



01 - 02	Technical Note Lubri-Coat / Lubri-Plate / Rock Solid X-Finish	27 - 28	CABON-O-LITE Series CXB-01 / CXN-01 / CBT-01 / CBB-4
03 - 04	String Post Description Magnum Lock / DSL / MG-T / Standard POST / HAP / HAPM		Tremolo Units 510 Series EV510T(TS)-BS / EV510T(TS)-FE
05 - 06	SG510 Series for Guitars (Sealed Gear Type) String Post Option / Button Option / SGS510 / SGS510Z	29 - 30	Tremolo Units 510 Series NS510TS-FE7 / NS510T(TS)-FE1 / NS510T(TS)-FE2 510T(TS)-BS1, FE1, SF1, BS2, FE2, SF2
07 - 08	SG510 Series for Guitars (Sealed Gear Type) SGL510 / SGL510Z / SGV510 / SGV510Z	31 - 32	Tremolo Units and Lock Nuts GE1996T / Lock Nuts and more... Wilkinson by GOTOH VS100N / VG300 / VSVG / WT3
09 - 10	SG510 Series for Guitars (Baby Size) SGi510 SG Series (Sealed Gear Type) SG301 / SG360 / SG381	33 - 34	Guitar Bridges 510 Series 510FX / 510UB / 510FA / 510FB Regular Bridges and Tailpieces GTC101 / GTC102 / GTC201 / GTC202
11 - 12	SX510 Series for Guitars (Open Gear Type) SXB510(V) / SXN510(V) SE Series (Open Gear Type) SE700 / SE770 / SE780 and more...	35 - 36	Regular Bridges and Tailpieces GE101A ~ GE103B-T / GE104B Titanium Saddle Ti103B / Ti103B-T / Ti104B
13 - 14	SD510 Series for Guitars (Vintage Type) SD510 / SDS510 SD Series (Vintage Type) SD90 / SD91 and C-A-R-D	37 - 38	In-Tune Saddle Series Ti-TC1 / Ti-TC1S / BS-TC1 / BS-TC1S In-Tune Saddle Description Detailed Illustration
15 - 16	SD Series MG-T (Thumb Screw Type) SD90 MG-T / SD91 MG-T Planetary Banjo Tuner Planetary Ukulele Tuner	39 - 40	Bass Bridges Multi-Tonal Series 404SJ / 404BO / J510SJ / J510BO
17 - 18	Ukulele Tuners UK12 / UK700 / UKB STEALTH-KEY ST31 / STM31 / STP31 / STS31	41 - 42	Bass Bridges S510B Series S510B / 201B-4 / 203B-4 / 205B-5 Package Design Arms A1 / A2 / B1 / B2 / A7 / A8 / F3 and more...
19 - 20	35G510 Series for Classical Guitars 35G510AM / 35G510MF / 35G510C / 35G510P / 35G510QC / 35G510S	43 - 44	Saddle Sets For Guitars / For Basses Starp Pin / Jack Cover / String Bushing / Neck Joint Plate / Strap Locker
21 - 22	Classical Regular Series 40G2000 / 35G3600C / 35G1800 and more... Mandolin Machine Heads MA40 / MF40 / M120 / M120S and more...	45 - 46	Dome Knobs / Control Panel / Tension Bar / String Retainer / Wrench Holder / Spring Hanger / Battery Box / Power Spring / Spring / Pick Case
23 - 24	RES-O-LITE Series for Basses GB350 / GB640 / GB528 and more... GB & Regular Series GB707 / GB10 / GB2 / GB11W / FB30 and more...	47 - 48	Luxury Mode - Art Collection SG510 Luxury Mode (Machinehead) GTC-Art / NBS-Art / CP10-Art / VK-Art
25 - 26	Premium Line KO-GA KG01 / KG02-B / KG02-N / KG02-C	49 - 50	RELIC Series Guitar Machine Heads, Tremolo, Bridge and Tailpiece Bass Machine Heads, Bass Bridges, Accessories

TECHNICAL NOTE

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™

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 spring under the string post, 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

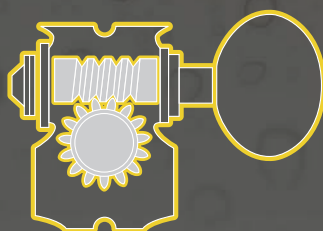
X-FINISH



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.

Gotohs "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.



X-Series gears finished in "X" FINISH

■ Guitar Machine Heads

SG510 Series • SX510 Series • SE700 Series
SD510 Series

■ Classic Guitar Machine Heads

35G510AM • 35G510MF • 35G510S

■ Bass Guitar Machine Heads

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

■ Tremolo Units

EV510T • EV510TS

■ Guitar Bridges

510FX • 510FA • 510FB • 510UB

■ Bass Bridges

J510SJ/BO • 404SJ/BO



XN



XG



XC

STRING POST VARIATION



MG [MAGNUM LOCK®]

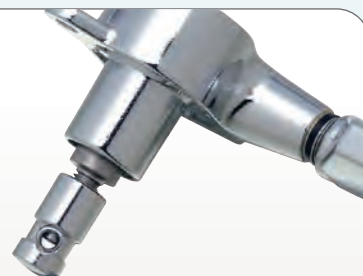
The GOTOH Magnum Lock uses string tuning tension for its locking mechanism. Unlike other regular locking pegs, it doesn't overly press the strings, which means there's no fear of strings breaking due to excessive lock. This system avoids the out-of-tune caused by slack of string wounding on string post, 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



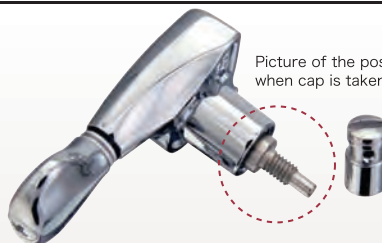
Magnum Lock String post



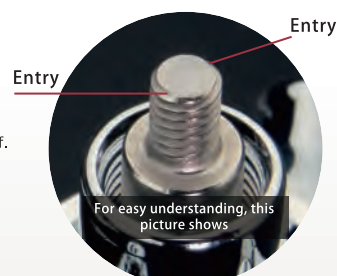
DSL [DOUBLE SPEED MAGNUM LOCK®] [DOUBLE SPEED H.A.P-MAGNUM LOCK®]

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.



Picture of the post
when cap is taken off.



Entry

Entry

For easy understanding, this
picture shows

There are two entrances of screw
and the screw spiral is double threaded.



MG-T [MAGNUM LOCK® TRAD]

Gotoh is pleased to announce a new thumbscrew-style locking tuner.

Much requested and long awaited, the "Magnum Lock - Trad" combines classic functionality with Gotoh technology.



Release

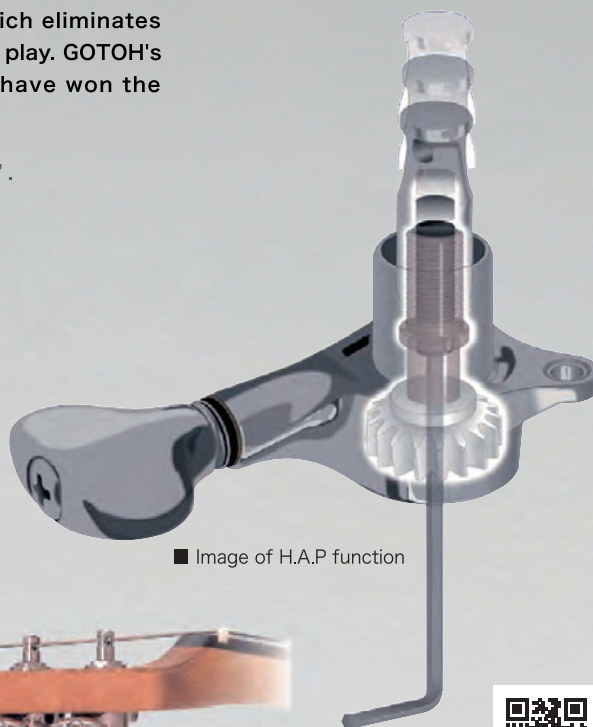
Lock



Magnum Lock-TRAD 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.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.

* The standard-post of the SG510 series is equipped with "Friction-Free Ring".



■ Image of H.A.P function



*For details of installation, please check the explanatory video on our website.

<https://g-gotoh.com>



SG510 Series
Standard Post



SG Series
Standard Post

Always 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



H.A.P.[®] [Height Adjustable Post]

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. String Post



H.A.P.[®]-M

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 (Φ1.2) 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.-M String Post

SG510 Series

GOTOH Sealed-Gear type, Flagship model

The SG510 series has evolved through improvement without compromise at every stage and come equipped with a considerable application of high-technology as a 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.

NEW NATURE MODE BUTTONS

High quality wood and exceptional processing technology make it possible to manufacture GOTOH Nature Mode.



*Because we use rare natural wood, there are individual differences in the grain. Also, the supply may not be stable.

SG510 Series Common Button & String Post Dimensions

The button lineup has been updated.

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.



* It is unsuitable for "6 inline."



STANDARD

MG

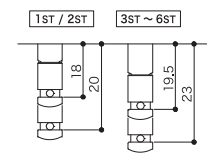
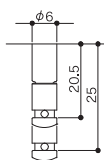
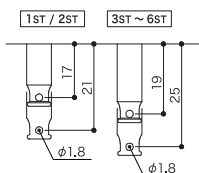
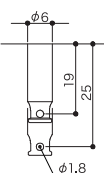
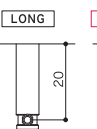
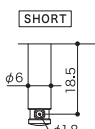
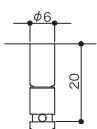
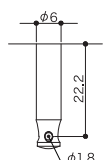
MG-T

HAP L3+R3

HAP L6 or R6

HAPM L3+R3

HAPM L6 or R6



MG-T

STRING POST OPTION

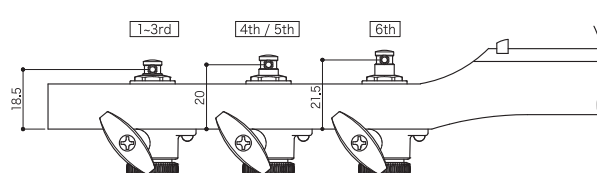
Example of an option set 6-In-Line

MG-T Standard Set L3 + R3

1~3rd : LONG SHAFT (20mm)
4~6th : LONG SHAFT (20mm)

MG-T Standard Set 6-In-Line

1~3rd : SHORT SHAFT (18.5mm)
4~6th : LONG SHAFT (20mm)



Magnum Lock-Trad string posts are available in three lengths that can be purchased in any combination to create staggered posts. Please make your choice when ordering.



GOTOH Original Designed Mini Size Sealed Gear Machine Heads



SGS510

Gear Ratio / 1:15

GG (GOLD)-L5



Standard Post

SGS510Z

Gear Ratio / 1:18

C (CHROME)-S5



Standard Post

String Post Variations

C (CHROME)-P7



SGS510 MG-T 1:15

SGS510Z MG-T 1:18



B (BLACK)-CL5



SGS510 HAP 1:15

SGS510Z HAP 1:18



CK (COSMO BLACK)-CS5



SGS510 MG 1:15

SGS510Z MG 1:18



GG (GOLD)-FS5



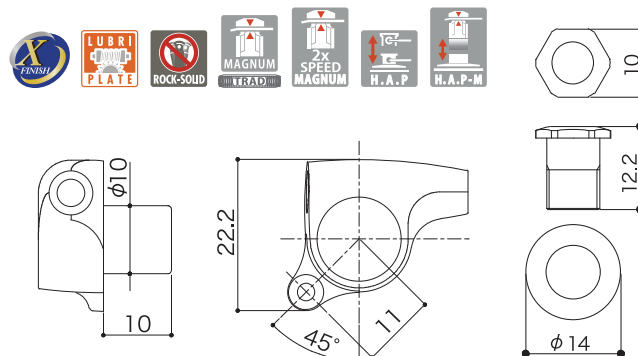
SGS510 HAP-M 1:15

SGS510Z HAP-M 1:18



Other Variations & Options / Dimension

Common Spec.	Head Type		
	Standard Equipment	LUBRI-PLATE / ROCK-SOLID	
	String Post	STANDARD. MG-T. MG. HAP. HAPM	
	Finishes	C. GG. B. CK. XN. XC. XG	
	Buttons	REFER TO BUTTON OPTIONS ON PAGE 05.	
	Gear Ratio	SGS510 = 1 : 15	SGS510Z = 1 : 18
	Ordering Code e.g.	SGS510-S5-GG-L SGS510-EN07-C-R-HAP SGS510-P8-XN	SGS510Z-A07-CK-L-MG SGS510Z-S5-XG-R-MG-T SGS510Z-A20-B



* Refer to page 05 for SGS510 series common specifications such as Buttons, MG-T and String Post Dimensions.

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

SG510
Series

FLAGSHIP

GOTOH Original Designed Middle Size Sealed Gear Machine Heads

SGL510

Gear Ratio / 1:18

B (BLACK)-EN01



Standard Post

SGL510Z

Gear Ratio / 1:21

GG (GOLD)-A20



Standard Post

String Post Variations

GG (GOLD)-VL5



SGL510 MG-T 1:18

SGL510Z MG-T 1:21



B (BLACK)-L5



SGL510 HAP 1:18

SGL510Z HAP 1:21



CK (COSMO BLACK)-L5



SGL510 MG 1:18

SGL510Z MG 1:21



C (CHROME)-WL5



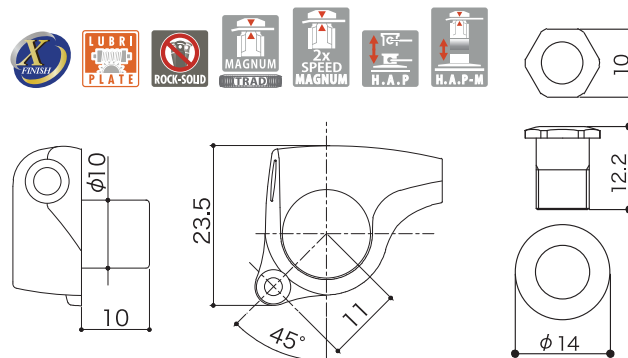
SGL510 HAP-M 1:18

SGL510Z HAP-M 1:21



Other Variations & Options / Dimension

Common Spec.	Head Type		
	Standard Equipment	LUBRI-PLATE / ROCK-SOLID	
	String Post	STANDARD. MG-T. MG. HAP. HAPM	
	Finishes	C. GG. B. CK. XN. XC. XG	
	Buttons	REFER TO BUTTON OPTIONS ON PAGE 05.	
	Gear ratio	SGL510 = 1 : 18	SGL510Z = 1 : 21
	Ordering Code e.g.	SGL510-L5-CK-HAP SGL510-A20-B SGL510-ML5-XN-MG-T	SGL510Z-A01-CK SGL510Z-L5-XC-MG-T SGL510Z-P1-C-HAP



* Refer to page 05 for SG510 series common specifications such as Buttons, MG-T and String Post Dimensions.

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

SG510
Series

FLAGSHIP

GOTOH Original Designed Middle Size Sealed Gear Machine Heads

SGV510

Gear Ratio / 1:18

CK (Cosmo Black)-L5



Standard Post

SGV510Z

Gear Ratio / 1:21

C (CHROME)-VL5



Standard Post

String Post Variations

GG (GOLD)-A01



SGV510 MG-T 1:18

SGV510Z MG-T 1:21



CK (Cosmo Black)-A01



SGV510 HAP 1:18

SGV510Z HAP 1:21



C (CHROME)-CL5



SGV510 MG 1:18

SGV510Z MG 1:21



GG (GOLD)-WL5



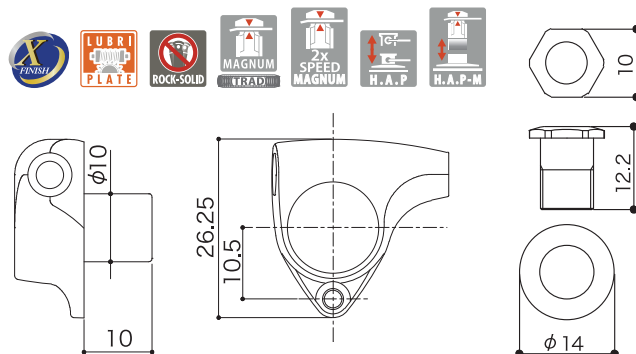
SGV510 HAP-M 1:18

SGV510Z HAP-M 1:21



Other Variations & Options / Dimension

Common Spec.	Head Type		
	Standard Equipment	LUBRI-PLATE / ROCK-SOLID	
	String Post	STANDARD. MG-T. MG. HAP. HAP-M	
	Finishes	C. GG. B. CK. XN. XC. XG	
	Buttons	REFER TO BUTTON OPTIONS ON PAGE 05.	
Gear ratio		SGV510 = 1 : 18	SGV510Z = 1 : 21
Ordering Code e.g.		SGV510-S5-GG-L SGV510-EN07-C-R-HAP SGV510-P8-XN	SGV510Z-A07-CK-L-MG SGV510Z-S5-XG-R-MG-T SGV510Z-A20-B



* Refer to page 05 for SG510 series common specifications such as Buttons, MG-T and String Post Dimensions.

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

SG510
Series

FLAGSHIP

GOTOH Original Designed Baby Size Sealed Gear Machine Heads

Most compact Sealed Gear type

SGi510



GG (GOLD)-S5



Standard Post

C (CHROME)-P7



SG 510 MG

1:16



CK (COSMO BLACK)-CL5



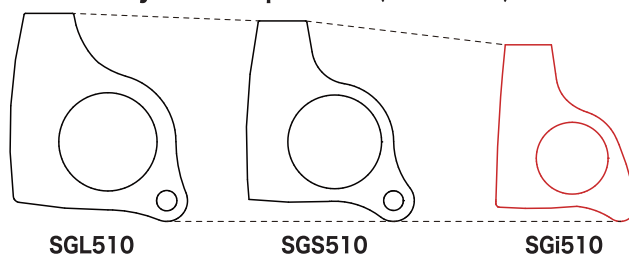
SG 510 UK

1:16

For Ukulele

Head Type	
Standard Equipment	LUBRI-PLATE / ROCK-SOLID
String Post	STANDARD. MG. UK
Finishes	C. GG. B. CK. XN. XC. XG
Gear ratio	1 : 16
Ordering Code e.g.	SGI510-S5-CK-L SGI510-A07-B-UK

Body size comparison (Actual size)



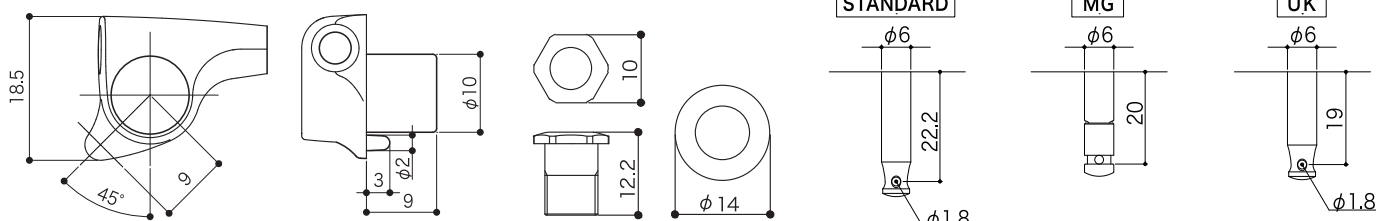
SGL510

SGS510

SGI510

SGi510 Dimensions

The UK post is recommended for ukulele.



* Refer to page 05 for SG510 series common specifications such as Buttons.

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

SG Series - Standard MG-T POST OPTION

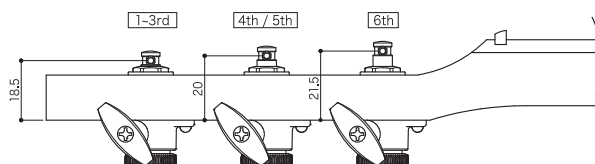
Example of an option set 6-In-Line

MG-T Standard Set L3 + R3

1~3rd : LONG SHAFT (20mm)
4~6th : LONG SHAFT (20mm)

MG-T Standard Set 6-In-Line

1~3rd : SHORT SHAFT (18.5mm)
4~6th : LONG SHAFT (20mm)



SHORT LONG OPTION EX-LONG

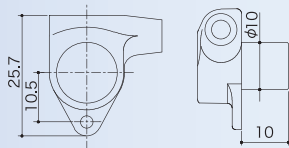
Magnum Lock-Trad string posts are available in three lengths that can be purchased in any combination to create staggered posts. Please make your choice when ordering.

SG Series - Standard

Electric and Acoustic Guitar Machine Heads

SG301

Head Type	
String Post	STANDARD, MG, HAP. HAPM, MG-T
Finishes	C, GG, B, CK
Gear ratio	1 : 18



STANDARD
(Gold)



MG-T
(Chrome)

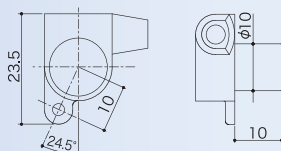


H.A.P
(Cosmo Black)



SG360

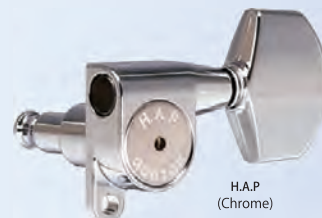
Head Type	
String Post	STANDARD, MG, HAP. HAPM, MG-T
Finishes	C, GG, B, CK
Gear ratio	1 : 14



STANDARD
(Black Chrome)



MG-T
(Gold)

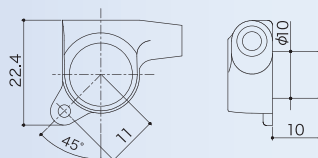


H.A.P
(Chrome)



SG381

Head Type	
String Post	STANDARD, MG, HAP. HAPM, MG-T
Finishes	C, GG, B, CK
Gear ratio	1 : 16



STANDARD
(Chrome)



MG-T
(Cosmo Black)



H.A.P
(Gold)



SG Series

BUTTON-OPTION

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



STANDARD

MG

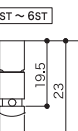
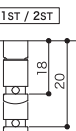
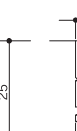
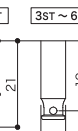
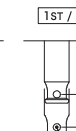
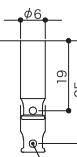
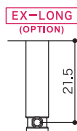
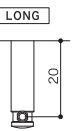
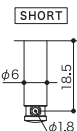
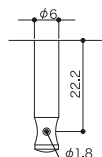
MG-T

HAP

HAP

HAPM

HAPM



* Refer to page 09 for details of MG-T.

Ordering code : e.g. SG381-MG-05-GG-R. SG301-B07-N-L etc... (Model Name - String Post - Button - Finish - Array)

Finishes : C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)

SX510 SERIES

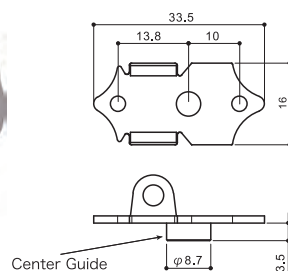
Electric and Acoustic Guitar Machine Heads


It is said that the performance and durability of open-gear machine heads is inferior to sealed-gear (SG) types. Because the bushing is physically separate from the machine head body it is difficult to accurately position the string post through it when mounting onto the guitar. To solve these problems the SXB510 series includes a centering guide at the base of the body to ensure a flush fit combined with Rock Solid string posts. Also, the SXN510 series employs a nut mount system and can be installed as a direct replacement into the same holes drilled for sealed-gear style tuners. The improved performance and durability which the SX510 series provides, thanks to GOTOH's unique design and manufacturing, gives you the chance to experience a sound you've never heard before.

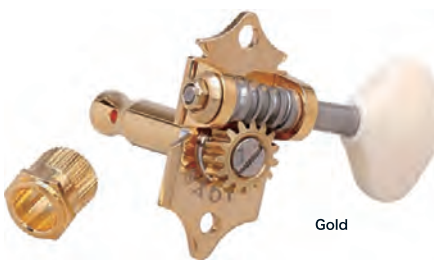
SXB510	
Head Type	
String Post	STANDARD (BRASS)
Finishes	N. C. GG. B. CK. XN. XC. XG
Gear Ratio	1 : 15
Standard Featured	ROCK SOLID



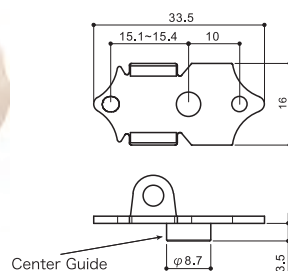
Nickel




SXB510V	
Head Type	
String Post	STANDARD (BRASS)
Finishes	N. C. GG. B. CK. XN. XC. XG
Gear Ratio	1 : 15
Standard Featured	ROCK SOLID



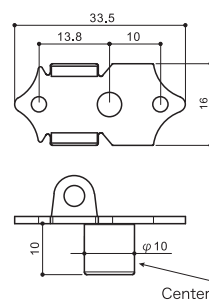
Gold




SXN510	
Head Type	
String Post	STANDARD (BRASS)
Finishes	N. C. GG. B. CK. XN. XC. XG
Gear Ratio	1 : 15
Standard Featured	ROCK SOLID

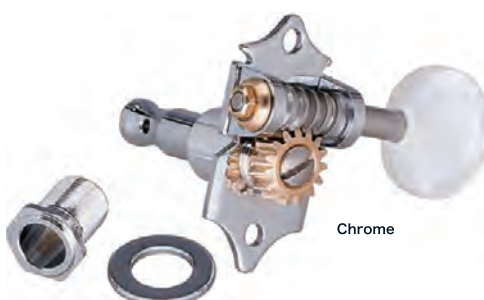


Cosmo Black

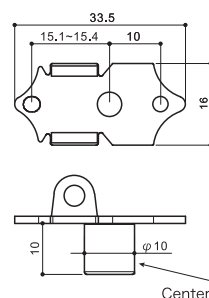


Center Guide Nut

SXN510V	
Head Type	
String Post	STANDARD (BRASS)
Finishes	N. C. GG. B. CK. XN. XC. XG
Gear Ratio	1 : 15
Standard Featured	ROCK SOLID



Chrome




Center Guide Nut

SE Series

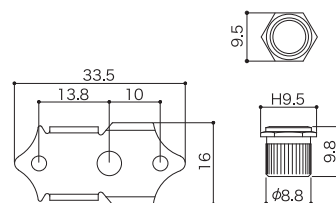
Electric and Acoustic Guitar Machine Heads

SE700


Head Type	
String Post	STANDARD
Finishes	N. C. GG. B. CK. XN. XC. XG
Gear Ratio	1 : 15
Standard Featured	ROCK SOLID

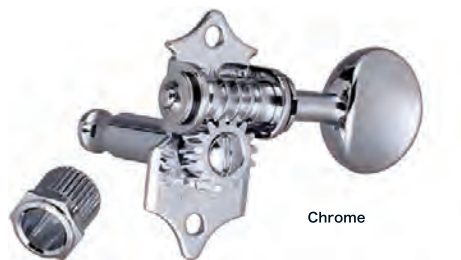


Cosmo Black

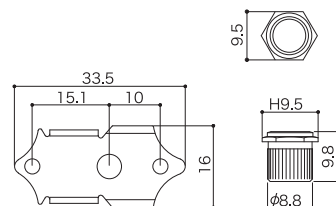


SE770


Head Type	
String Post	STANDARD
Finishes	N. C. GG. B. CK. XN. XC. XG
Gear Ratio	1 : 15
Standard Featured	ROCK SOLID

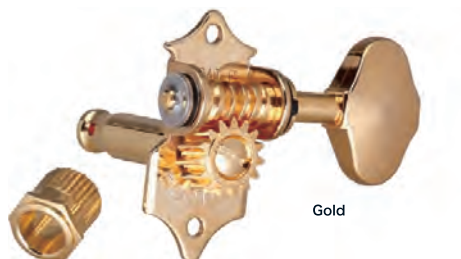


Chrome

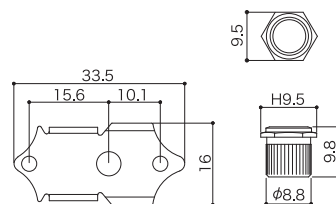


SE780

Head Type	
String Post	STANDARD
Finishes	N. C. GG. B. CK. XN. XC. XG
Gear Ratio	1 : 15
Standard Featured	ROCK SOLID



Gold



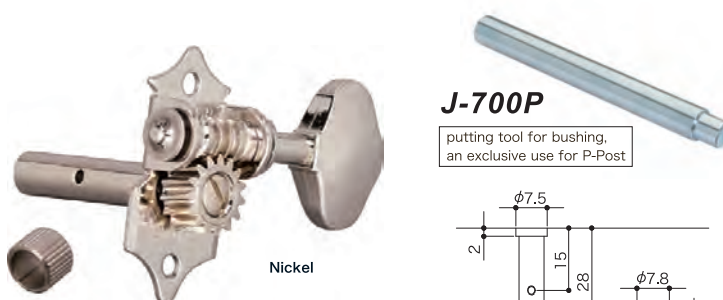
for Slotted Head

SEP700

SEP770

SEP780

Finishes	N. C. GG. B. CK. XN. XC. XG
Gear ratio	1 : 15
Standard Featured	ROCK-SOLID



Nickel

J-700P

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

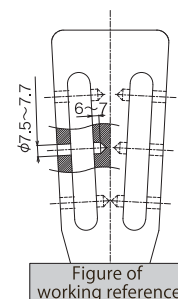
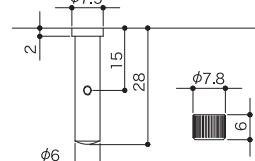


Figure of
working reference

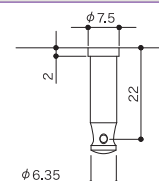
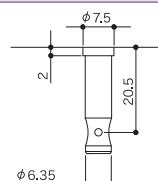
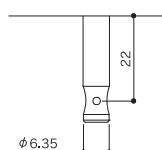
POST Dimension

SXB510 / SXB510V

SXN510 / SXN510V

SE700

SE770 / SE780



SX510 / SE Series BUTTON-OPTION

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



Exclusive use
L3+R3

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



05M
(Zinc)



06M
(Zinc)



SL
(Plastic)



SLB
(Plastic)



B5
(Plastic)



M5
(Plastic)



P5W
(Plastic)



P5R
(Plastic)



M6
(Plastic)

Ordering code : e.g. SXN510-06M-GG. SE780-M5-N etc... (Model Name - Button - Finish)

SD510 SERIES

Electric and Acoustic Guitar Machine Heads

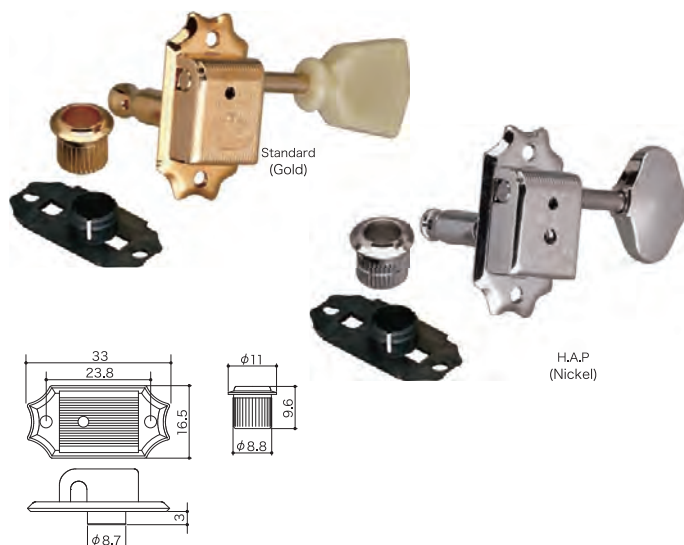
The SD510 series have "Rock-solid"™ technology and "C-A-R-D", found on enclosed gears in the base plate of the gear allowing the post to perfectly align itself with the bushing which attaches the gear to the headstock. The SD510 series uses a torque balancer to ensure steady rotation of the tuner button 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, HAP, HAPM
Finishes	N. GG. B. CK. XN. XC. XG
Gear ratio	1 : 15
Standard Featured	LUBRI-PLATE. ROCK-SOLID C-A-R-D 3/3



*BRASS STRING POST FOR ONLY STANDARD.

Standard specification of MG and H.A.P.M, on this model is DSL. (Refer to page 04.)

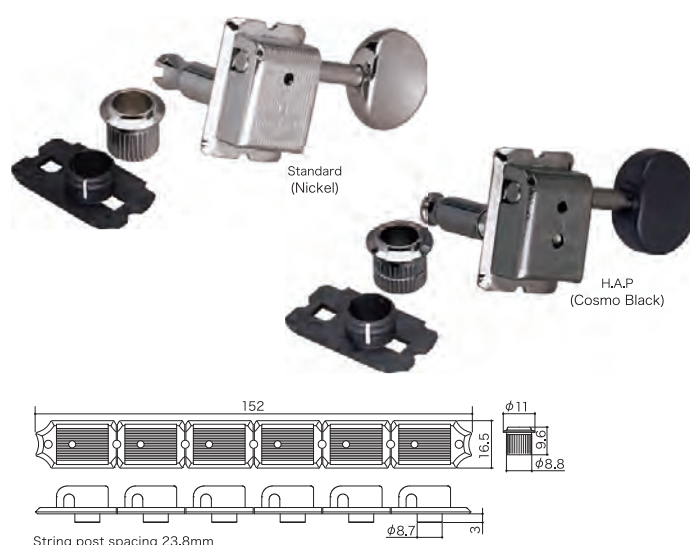


SDS510	
Head Type	
String Post	STANDARD, MG, HAP, HAPM
Finishes	N. GG. B. CK. XN. XC. XG
Gear ratio	1 : 15
Standard Featured	LUBRI-PLATE. ROCK-SOLID C-A-R-D 6



*BRASS STRING POST FOR ONLY STANDARD.

Standard specification of MG and H.A.P.M, on this model is DSL. (Refer to page 04.)



Ordering code : e.g. SD510-MG-05M-CK. SDS510-HAPM-SL-XN-L etc... (Model Name - String Post - Button - Finish - Array)

WHAT'S C·A·R·D? SD510 / SDS510 is equipped standardly with C·A·R·D

C — Carbon Fiber

Made from a specially formulated carbon fiber composite resin, CARD is both lightweight and extremely durable.

A — Align Center

CARD features a centering guide molded into the base that insures correct string post positioning in relation to the tuner bushing.

R — Resonant

The high-density CARD material transfers string vibration to the instrument headstock more efficiently, improving sustain and harmonics.

D — Defend

The CARD base is .05 mm thicker than the inside cavity of the tuner cover and acts as a spacer to prevent damage to the headstock finish due from sharp metal edges and over-tightening of mounting screws.

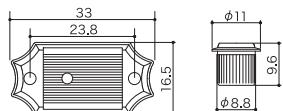
String post dimension	SD510 STANDARD	SDS510 STANDARD	MG	SD510 HAP	SDS510 HAP	SD510 HAPM	SDS510 HAPM
	φ6.35 19.5	φ6.35 24.6	φ6 20	φ6 17 24.5	φ6 16 20.5 17 24.5	φ6 18.5 22	φ6 17 20.5 18.5 22
				1~3rd 4~6th			1~3rd 4~6th

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

SD90



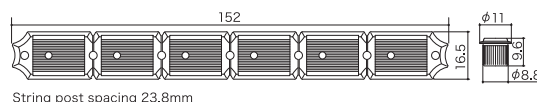
Head Type	
String Post	STANDARD, MG, HAP, HAPM
Finishes	N. GG. B. CK
Gear ratio	1 : 15
Standard Featured	SD90-SLB SD90-05M HAP



SD91



Head Type	
String Post	STANDARD, MG, HAP, HAPM
Finishes	N. GG. B. CK
Gear ratio	1 : 15
Standard Featured	SD91-05M-L SD91-SL-MG-R



Ordering code : e.g. SD90-HAP-SL-N. SD91-MG-B5-GG-R etc... (Model Name - String Post - Button - Finish - Array)

String post dimension	SD90 STANDARD	SD91 STANDARD	MG	SD90 HAP	SD91 HAP	SD90 HAPM	SD91 HAPM
	6.35 19.5	6.35 24.6	6 20	6 17 24.5	6 16 20.5 17 24.5	6 18 21.5	6 16.5 20 18 21.5
				1~3rd	4~6th		1~3rd 4~6th

SD510 & SD Series

Common 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.



C·A·R·D 3/3

for SD90 (6pcs/set)

Sold separately



C·A·R·D 6

for SD91 (6pcs/set)

Sold separately



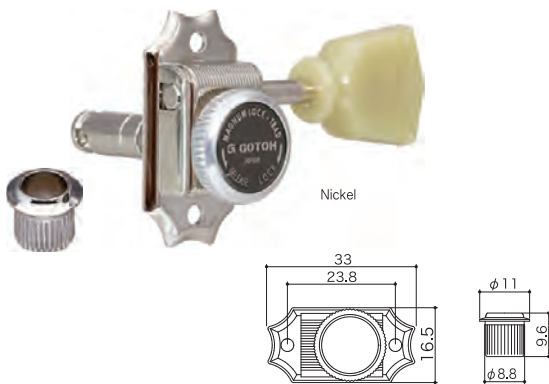
Finishes : N (Nickel), GG (Gold), B (Black Chrome), CK (Cosmo Black)

SD Series Magnum Lock Trad - Thumb Screw Type

SD90 MG-T



Head Type	
Finishes	N. GG. B. CK
Gear ratio	1 : 15



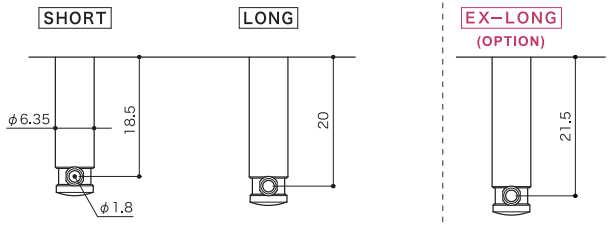
SD91 MG-T



Head Type	
Finishes	N. GG. B. CK
Gear ratio	1 : 15

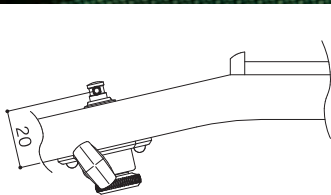


MG-T Post Dimensions

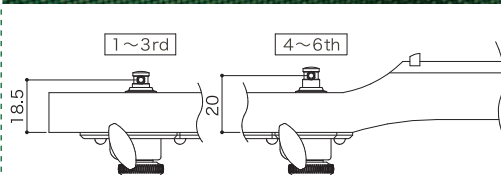


- * In case of SD90 (L3+R3), LONG×3, LONG×3 **Fig1**
- * In case of SD91 (L6 or R6), SHORT×3, LONG×3 **Fig2**
- * As the example of an option, SHORT×3, LONG×2, EX-LONG×1 **Fig3**

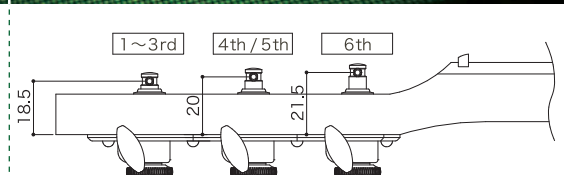
MG-T Standard set L3+R3 **Fig1**



MG-T Standard set 6-In-Line **Fig2**



Example of an option set 6-In-Line **Fig3**



Magnum Lock-Trad string posts are available in three lengths that can be purchased in any combination to create staggered posts. Please make your choice when ordering.

BUTTON OPTION

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



Common use for SD90 and SD91

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



Finishes : N (Nickel), GG (Gold), B (Black Chrome), CK (Cosmo Black) Ordering code : e.g. SD90-MGT-SL-N. SD91-MGT-B5-GG-R etc.. (Model Name - Button - Finish - Array)

Planetary Machine Heads For Banjo



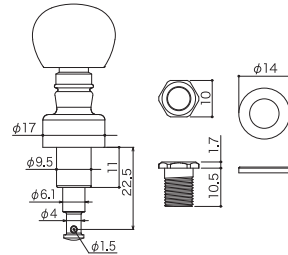
A new concept in banjo tuners, developed with GOTOH's superior processing technology. With these ultra smooth tuners, precision tuning takes a quantum leap forward compared to previous products. In particular, the mechanism of the 5th string peg has been radically revised, solving all problems in past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

SPBJ-4

Finishes	N. C. GG
Gear ratio	1 : 4



Gold

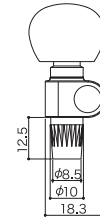


SPBJ-5

Finishes	N. C. GG
Gear ratio	1 : 13



Nickel



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)

Ordering code : e.g. SPBJ-4-AI-GG. SPBJ-5-PW-N etc... (Model Name - Button - Finish)

Planetary Machine Heads For Ukulele



Experience smooth and stable tuning!

With the 1:4 ratio planetary gear mechanism of the UPT/UPTL you can keep the classic look of traditional friction pegs without the slippage or need for tightening.

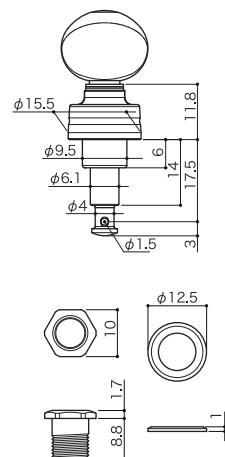
UPT

Head Type	 for Ukulele
Finishes	CW. B. GG
Gear ratio	1 : 4 PLANETARY GEAR




UPT
(Chrome White)

For head thickness 10 to 12mm



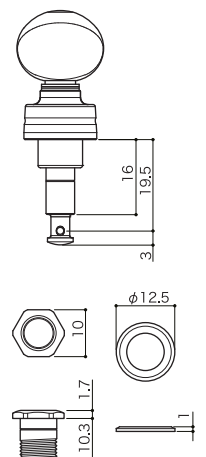
UPTL

Head Type	 for Ukulele
Finishes	CW. B. GG
Gear ratio	1 : 4 PLANETARY GEAR



UPTL
(Gold)

For head thickness 11.5 to 13.5mm



UPT / UPTL BUTTON OPTION

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



UBB
(Plastic)



UBN
(Plastic)



UB7
(Plastic)



UB8
(Plastic)



UB4B
(Plastic)



UB4N
(Plastic)

Finishes : CW (Chrome White), B (Black Chrome), GG (Gold)

Ordering code : e.g. UPT-UB8-GG. UPTL-UB4B-N etc... (Model Name - Button - Finish)

FOR UKULELE

Machine Heads



UK12

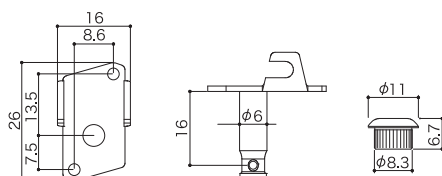
Finishes	N. GG
Gear ratio	1 : 14

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.



Gold



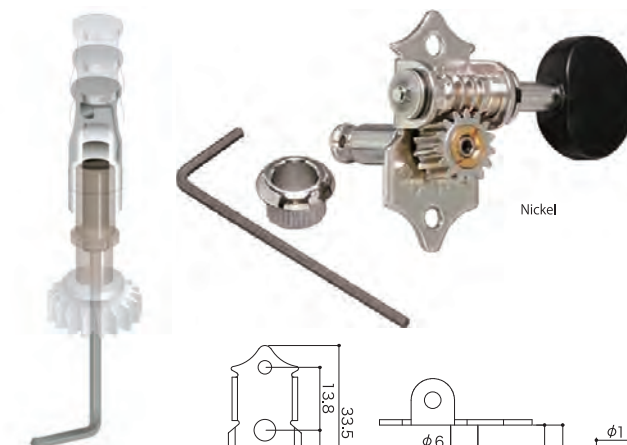
UK700

Finishes	N. GG
Gear ratio	1 : 15

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

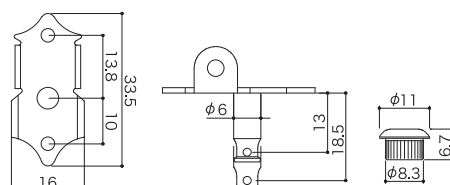


The renowned H.A.P. system for guitar machine heads comes as standard. Height adjustable string post enables to change the string pressure. Pegs fit to 9-14mm thickness headstock.



Nickel

■ 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)



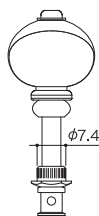
B5
(Plastic)



M5
(Plastic)

UKB

Finishes	N. GG
Gear ratio	1 : 1



Gold

UKB BUTTON OPTION

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



W
(Plastic)



B
(Plastic)

Finishes : N (Nickel), GG (Gold)

Ordering code : e.g. UK12-M5-GG-R. UK700-05MA-N. UKB-W-N etc... (Model Name - Button - Finish)

STEALTH

The world's smallest Tuning-key



Contributes to the possibility of
musical instrument design.

For Electric Guitar, Acoustic Guitar and Ukulele

ST31



Head Type	
String Post	ST31, STM31, STP31 STS31
Finishes	C. GG. CK
Gear ratio	1 : 18 Micro worm gear
e.g.	ST31-SB2 STP31-SB3 STM31-SB5L

GOTOH STEALTH-Key PAT.P



Example of layout

Fig. 1

Installation to
the head side.

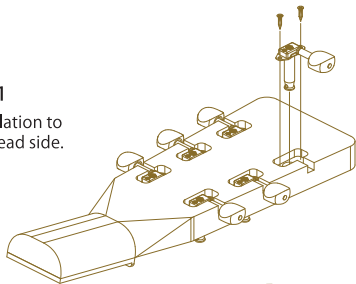
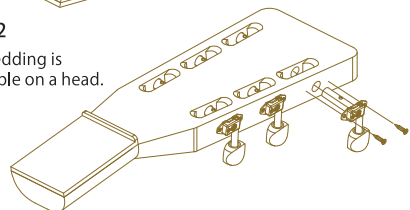


Fig. 2

Embedding is
possible on a head.



The smallest size and lightest weight.

- 1/3 to 1/2 the weight compared to that of an ordinary guitar machine heads.
(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.

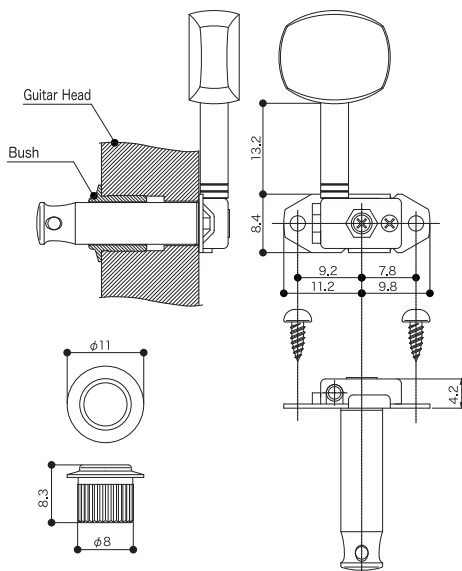
Function

- 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 20kgs. [44lbs])
- 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 and 2.
- 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.

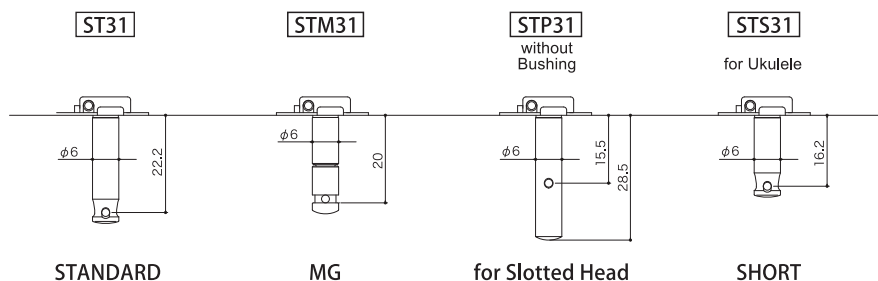
Ecology

- 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.

STEALTH Key Detailed Dimension



STEALTH Key Post Dimensions



STEALTH Key BUTTON OPTION

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



SB2



SB3



SB4



SB5

Finishes : C (Chrome), GG (Gold), CK (Cosmo Black)

Ordering code : e.g. ST31-SB3-GG-R. STP31-SB5-CK etc... (Model Name - String Post - Button - Finish)

35G510 SERIES

Classic Guitar Machine Heads



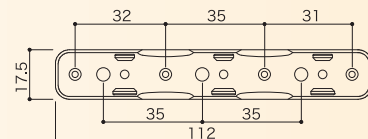
These parts are born from GOTOH's latest, state of the art manufacturing processes.

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.

35G510AM

String Post	35G. 35AR. 35ARB. 35P
Finishes	XN. XG. XCK
Gear ratio	1 : 16
Plate Material	HARD ALUMINUM

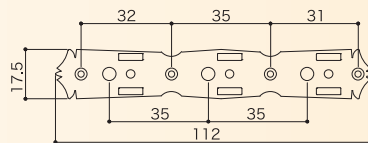
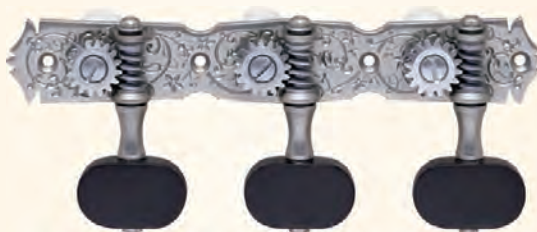
X-Cosmo Black



35G510MF

String Post	35G. 35AR. 35ARB. 35P
Finishes	XN. XG. XCK
Gear ratio	1 : 16
Plate Material	BRASS

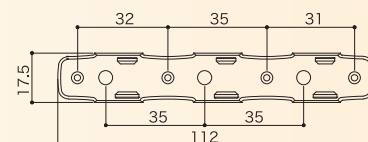
X-Nickel



35G510C


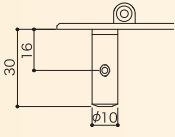

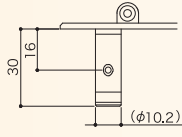

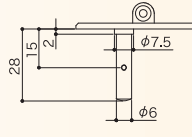
String Post	35G. 35AR. 35ARB. 35P
Finish	GG
Gear ratio	1 : 16
Plate Material	BRASS

Gold



Ordering code : e.g. 35G510AM-KM-XG, 35ARB510-EN etc... (Model Name - Button - Finish)

- 35G510 Series Post Dimension -

35G (Plastic)	35AR (Aluminum with Plastic roller)	35P (Steel)
 	 	 

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

J-700P

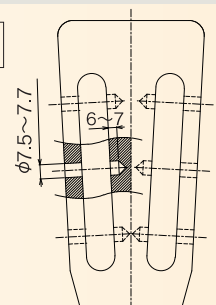


Figure of working reference

35G510 Series Button Option

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



M

(Real Mother of Pearl)



BM

(Real Black Mother of Pearl)



EN

(Wood)



KB

(Plastic)



KM

(Plastic)



BB

(Plastic)



P

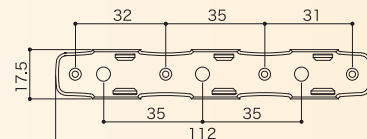
(Plastic)

* 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)

35G510P

String Post	35G. 35AR. 35ARB. 35P
Finish	GG
Gear ratio	1 : 16
Plate Material	BRASS

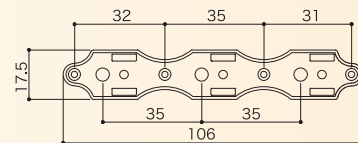
Gold



35G510QC

String Post	35G. 35AR. 35ARB. 35P
Finish	MTG
Gear ratio	1 : 16
Plate Material	BRASS

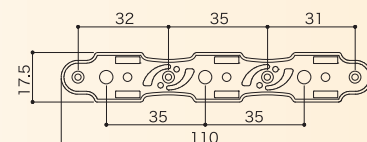
Mat Gold



35G510S


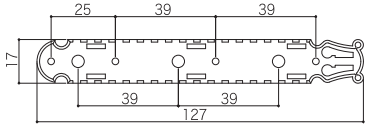

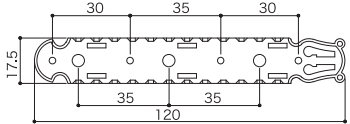

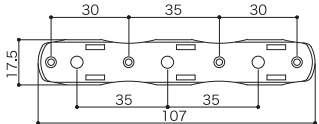

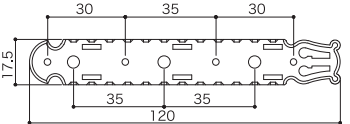

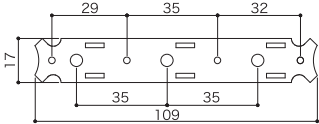
String Post	35G. 35AR. 35ARB. 35P
Finishes	N. CK. XN. XG
Gear ratio	1 : 16
Plate Material	BRASS

Nickel



Finishes : N (Nickel), GG (Gold), CK (Cosmo Black), SB (Solid Brass), MTG (Mat Gold), XN (X-Nickel), XG (X-Gold), XCK (X-Cosmo Black)

* 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)

40G2000 String Post 40G. 40AR. 40ARB. 40P Finish GG Gear ratio 1 : 14	Revival  	35G3600C String Post 35G. 35AR. 35ARB. 35P Finish SB Gear ratio 1 : 14  
35G1800 String Post 35G. 35AR. 35ARB. 35P Finish SB Gear ratio 1 : 14	 	35G1600 String Post 35G. 35AR. 35ARB. 35P Finish GG Gear ratio 1 : 14  
35G620 String Post 35G. 35AR. 35ARB. 35P Finish GG Gear ratio 1 : 14	 	

- 35G Series Post Dimensions -

35G / 40G (Plastic)	35AR / 35ARB / 40AR / 40ARB (Aluminum with Plastic roller)	35P / 40P (Steel)
 	 	 

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)

Finishes : SB (Solid Brass), GG (Gold)

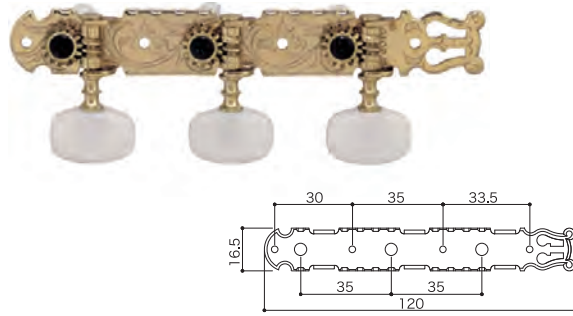
Ordering code : e.g. 40G2000-BB-GG, 35P620-2R-GG etc... (Model Name - Button - Finish)

35G450

String Post
35G, 35P

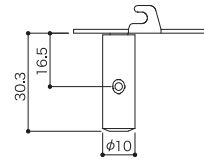
Finishes
FG, N

Gear ratio
1 : 14

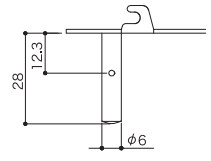


Post Dimensions

35G



35P

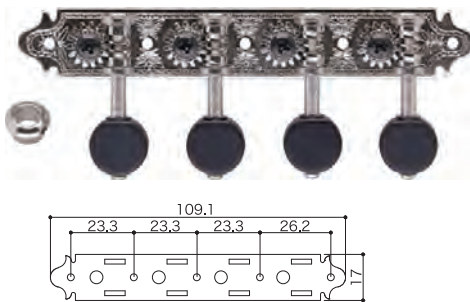


Mandolin Machine Heads

MA40

Finishes
N, GG

Gear ratio
1 : 14

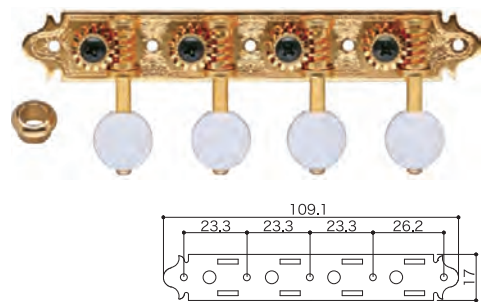


MA40R

Finishes
N, GG

Gear ratio
1 : 14

REVERSE GEARING

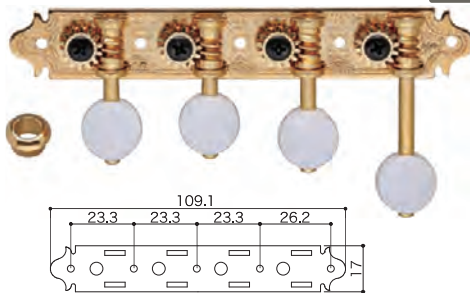


* Minimum production for 30 sets per color is required.

MF40

Finishes
N, GG

Gear ratio
1 : 14

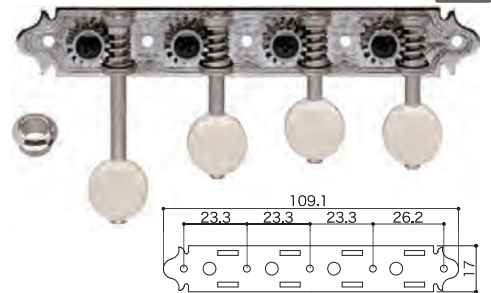


MF40R

Finishes
N, GG

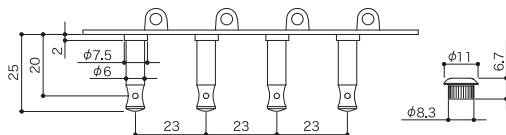
Gear ratio
1 : 14

REVERSE GEARING



* Minimum production for 30 sets per color is required.

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



MB

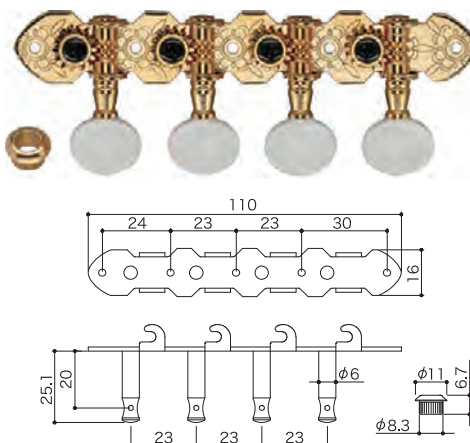


MM

M120

Finishes
N, GG

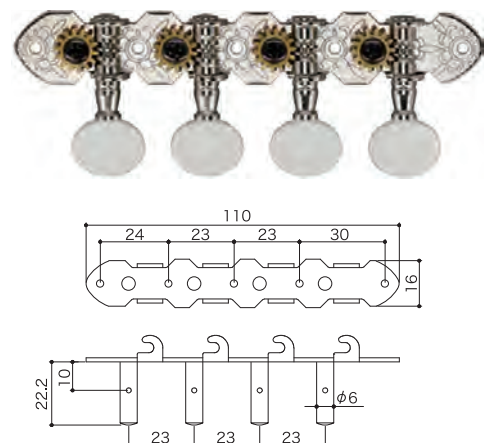
Gear ratio
1 : 14



M120S

Finishes
N, GG

Gear ratio
1 : 14



RES-O-LITE SERIES

Super lightweight bass machine heads.

Bass guitars have weighty machine heads and by their very nature have always suffered from "neck-dive". With the advent of 5 and 6 string basses, this tendency became still more acute, making long sessions uncomfortable for the musician. The RES-O-LITE series was developed to solve this problem. By chiefly using the special alloy "duralumin", excellent weight savings are achieved. By use of the Rock-Solid mechanism the GB350 transmits string movement more powerfully, whilst retaining tuning and giving a smooth winding experience.

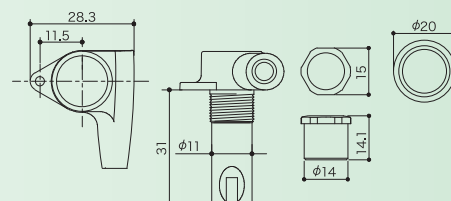
GB350 RES-O-LITE

Head Type	
Finishes	C. GG. B. CK. XN. XC. XG
Gear ratio	1 : 20
Weight	31.3 GRAMS / PC
Standard Features	LUBRI-PLATE. ROCK-SOLID

ALUMINUM SHAFT, WORM AND GEAR
PLASTIC BUTTON (PLATED)
WORLD DESIGN PAT.



Gold

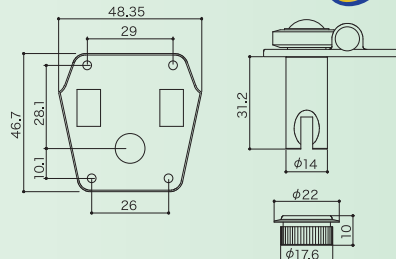


GB640 RES-O-LITE

Head Type	
Finishes	N. GG. B. CK. XN. XC. XG
Gear ratio	1 : 28
Weight	61.8 GRAMS / PC



Cosmo Black



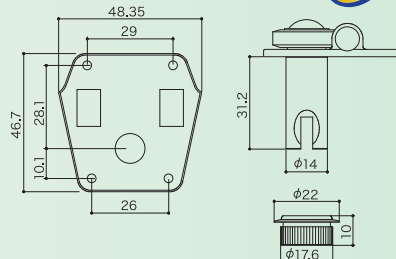
GBR640 RES-O-LITE

Head Type	
Finishes	N. GG. B. CK. XN. XC. XG
Gear ratio	1 : 28
Weight	61.8 GRAMS / PC

REVERSE WIND



Gold

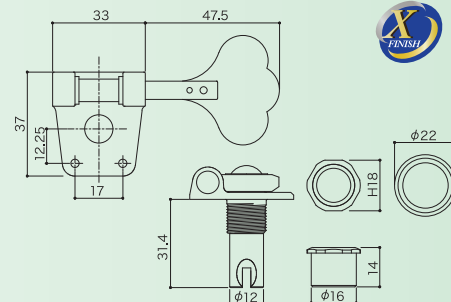


GB528 RES-O-LITE

Head Type	
Finishes	N. GG. B. CK. XN. XC. XG
Gear ratio	1 : 26
Weight	48.4 GRAMS / PC



Nickel



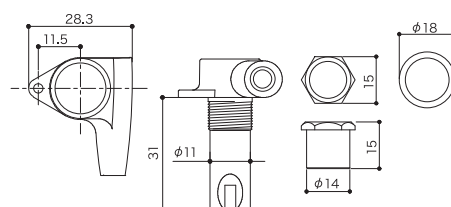
GB707

Head Type	
Finishes	C. GG. B. CK
Gear ratio	1 : 20
Weight	60.2 GRAMS / PC
Standard Features	LUBRI-COAT. ROCK-SOLID

WORLD DESIGN PAT.



Chrome



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

Ordering code : e.g. GB350-GG-L, GB528-XC-R etc... (Model Name - Finish - Array)

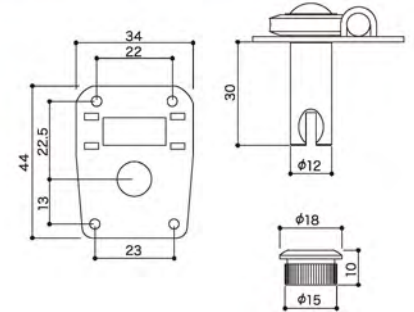
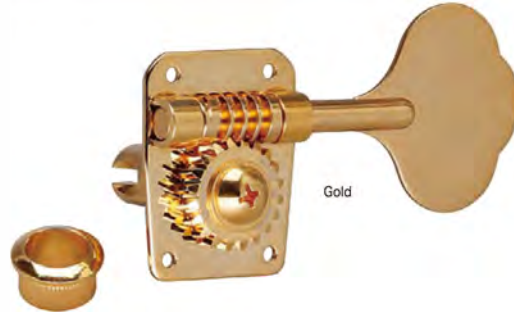
BASS Machine Heads

Regular Series



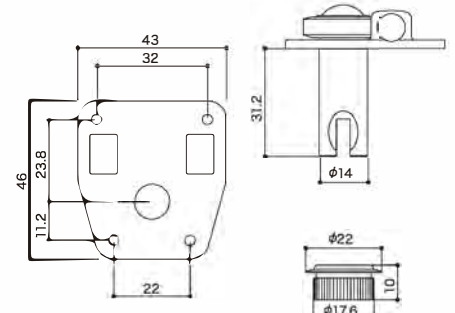
GB10

Head Type	
Finishes	N. GG. B. CK
Gear ratio	1 : 20
Weight	88.3 GRAMS / PC
Standard Features	INNER FRICTION FREE RING



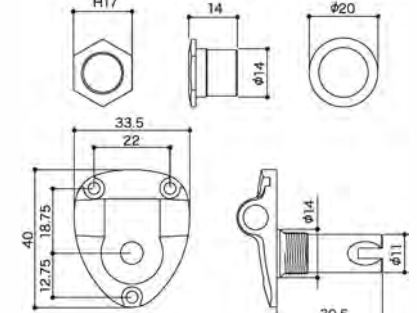
GB2

Head Type	
Finishes	N. GG. B. CK
Gear ratio	1 : 26
Weight	110.2 GRAMS / PC



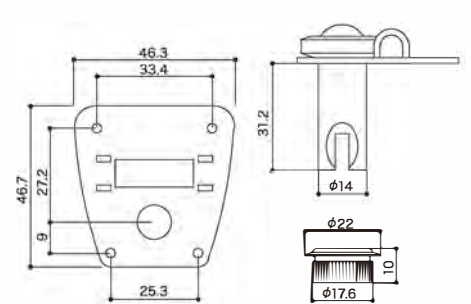
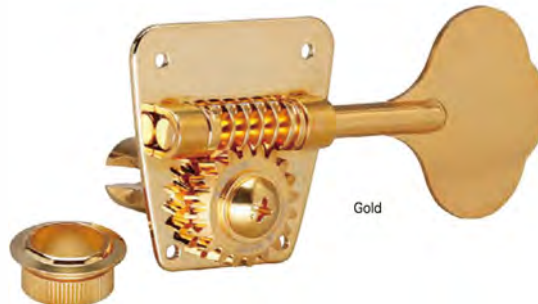
GB11W

Head Type	
Finishes	C. GG. B. CK
Gear ratio	1 : 20
Weight	78.6 GRAMS / PC



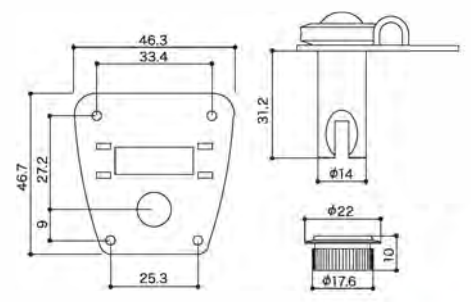
ER30

Head Type	
Finishes	N. GG. B. CK
Gear ratio	1 : 20
Weight	104.2 GRAMS / PC
Standard Features	INNER FRICTION FREE RING



ER30LP

Head Type	
Finishes	N. GG. B. CK
Gear ratio	1 : 20
Weight	104.0 GRAMS / PC
Standard Features	INNER FRICTION FREE RING



Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)

Ordering code : e.g. GB30LP-N-L, GB11W-CK-R etc... (Model Name - Finish - Array)

The Premium Line KO-GA

KO-GA is a traditional Japanese term meaning outstanding elegance.

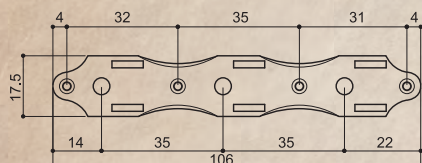
We carefully reviewed the structure of traditional classical tuners and designed a new bearing structure which achieves greater concentricity and enhances durability.

The KG01-CA also takes advantage of a unique carbon material pattern to become a new concept, a neo-classical tuner. And we pleased to announce new single style machine head KG02 series. KG02-C will fit to various string post spacing of classical guitars. KO-GA is the beginning of a new era of outstanding guitar hardware, unconstrained by the limits of convention.



KG01-CA

String Post	ALUMINUM & CARBON TUBE SHAFT
Finishes	XG, XCK
Gear ratio	1 : 16
Weight	55.2 GRAMS / PC(ONE SIDE)
Plate Material	CARBON FIBER

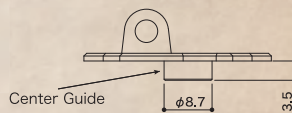
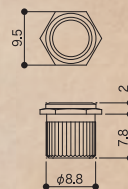
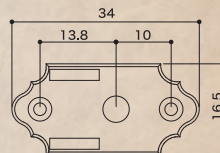


Finishes : XCK (X-Cosmo Black), XG (X-Gold)

KG02-B

String Post	BUSHING TYPE
Gear ratio	1 : 16
Weight	28.1 GRAMS / PC
Plate Material	BRASS (HAIRLINE FINISH)

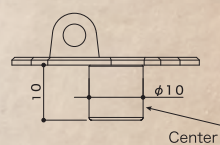
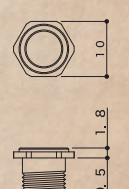
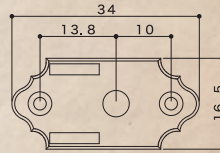
NEW



KG02-N

String Post	NUT TYPE
Gear ratio	1 : 16
Weight	27.9 GRAMS / PC
Plate Material	BRASS (HAIRLINE FINISH)

NEW

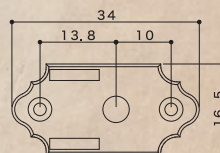


Center Guide Nut

KG02-C

String Post	ALUMINUM FOR CLASSICAL GUITAR
Gear ratio	1 : 16
Weight	26.5 GRAMS / PC
Plate Material	BRASS (HAIRLINE FINISH)

NEW



KO-GA Common Button Options & Dimension

KG01-CA

KG02-B / KG02-N

KG02-C



M

(Real Mother of Pearl)



BM

(Real Black Mother of Pearl)



BB

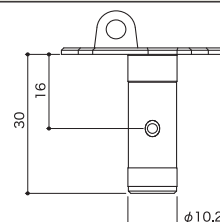
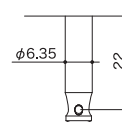
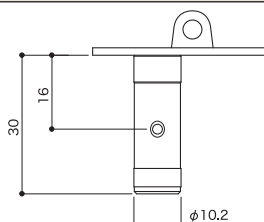
(Plastic)



EN

(Wood)


(Actual size ratio : about 60%)



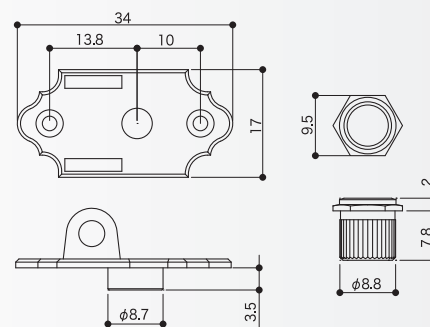
Ordering code : e.g. KG01-CA-BM-XCK, KG02-N-BB etc... (Model name - Button - Finish)

CARBON-O-LITE Series


CXB-01

Head Type	
String Post	STANDARD (BRASS)
Gear Ratio	1 : 15
Standard Featured	CARBON PLATE / ROCK SOLID
Weight	17.5 GRAMS / PC

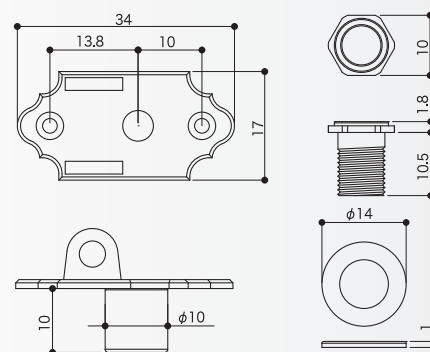
* Weight Excludes Bushing.



CXN-01

Head Type	
String Post	STANDARD (BRASS)
Gear Ratio	1 : 15
Standard Featured	CARBON PLATE / ROCK SOLID
Weight	18.1 GRAMS / PC

* Weight Excludes Nut and Washer.



CXB / CXN BUTTON OPTION

The button can be selected from the list on the right.
(Actual size ratio: about 50%)



SLB
(Plastic)



B5
(Plastic)



M5
(Plastic)



P5W
(Plastic)




P5R
(Plastic)



M6
(Plastic)

CBT-01

Head Type	
String Post	STANDARD (BRASS)
Gear Ratio	1 : 28
Standard Featured	CARBON PLATE / CARBON KNOB
Weight	35.3 GRAMS / PC

* Weight Excludes Bushing.

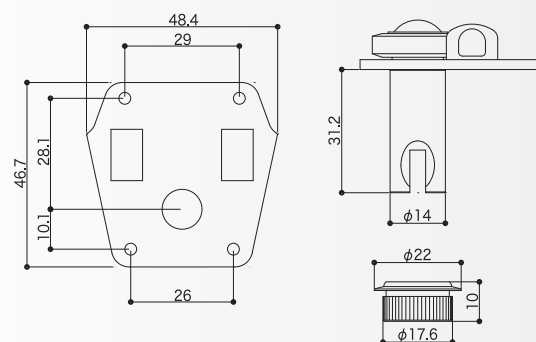
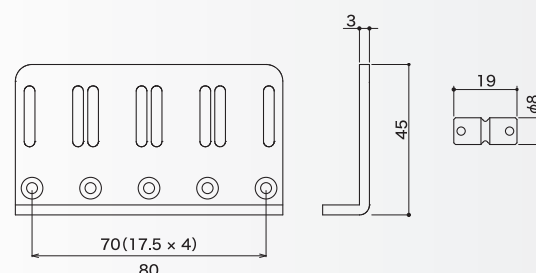
**CBB-4**

Plate Material	CARBON PLATE
Saddle Material	TITANIUM
String Spacing	19MM
Weight	46.4 GRAMS / PC

* Weight Excludes Mount Screws.



TREMOLO 510 SERIES

510T 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 them, the unit's 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.

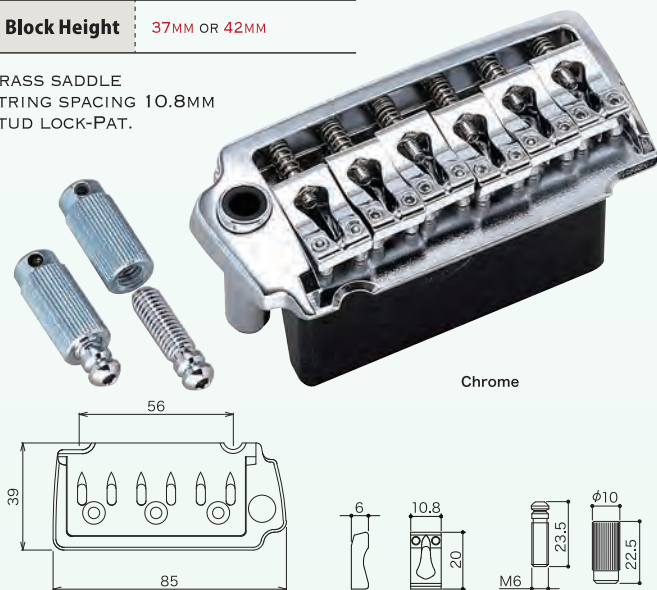
EV510T-BS EV510TS-BS



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

Block Height 37MM OR 42MM

BRASS SADDLE
STRING SPACING 10.8MM
STUD LOCK-PAT.



EV510T-FE EV510TS-FE



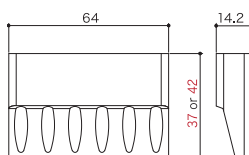
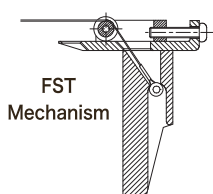
Finishes C. GG. B. CK. XN. XC. XG

Block Height 37MM OR 42MM

STEEL SADDLE
STRING SPACING 10.8MM
STUD LOCK-PAT.



510T Block *Choose your block from 2 types of heights.

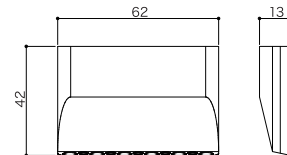


Applicable models

EV510T-BS, EV510T-FE
510T-BS1 / 510T-BS2
510T-FE1 / 510T-FE2
510T-SF1 / 510T-SF2

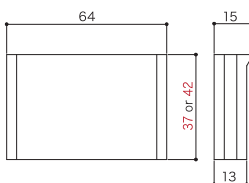
NS510T Block

Applicable models: NS510T-FE1 / NS510T-FE2



* NS510T is not an FST mechanism.

510TS Block (Steel Block) *Choose your block from 2 types of heights.



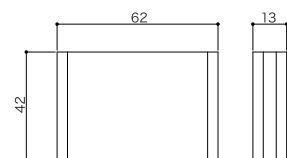
Applicable models

EV510TS-BS, EV510TS-FE
510TS-BS1 / 510TS-BS2
510TS-FE1 / 510TS-FE2
510TS-SF1 / 510TS-SF2

* 510TS is not an FST mechanism.

NS510TS Block (Steel Block)

Applicable models: NS510TS-FE1 / NS510TS-FE2



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

TREMOLO 510 SERIES

- Narrow Spacing -

Narrow Spacing Tremolo for 7 strings is finally here!!

High hardness knife-edge processed by special heat treatment gives you the chance to experience feeling you' ve never felt before.

NS510TS-FE7

NEW

Finishes	C. GG. B. CK
Block	STEEL-BLOCK ONLY

FOR 7 STRINGS GUITAR

STEEL SADDLE

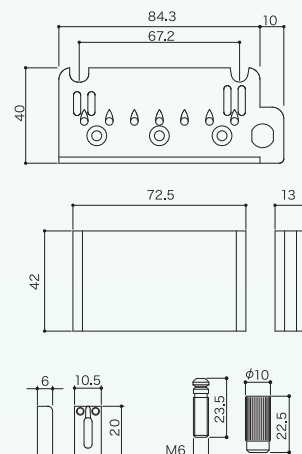
STRING SPACING 10.5MM

STUD LOCK-PAT.

* This model does not have FST mechanism.



Gold



NS510T-FE1 NS510TS-FE1

Finishes	C. GG. B. CK
-----------------	--------------

STEEL SADDLE

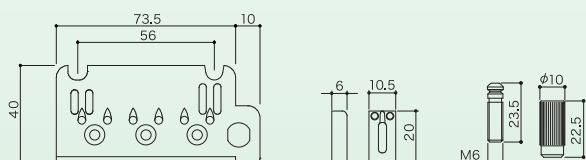
STRING SPACING 10.5MM

STUD LOCK-PAT.

* This model does not have FST mechanism.



Chrome



NS510T-FE2 NS510TS-FE2

Finishes	C. GG. B. CK
-----------------	--------------

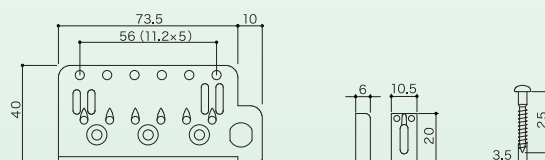
STEEL SADDLE

STRING SPACING 10.5MM

* This model does not have FST mechanism.



Gold



Finishes : C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)

* Refer to page 28 for block dimensions and differences.

510T-BS1 510TS-BS1

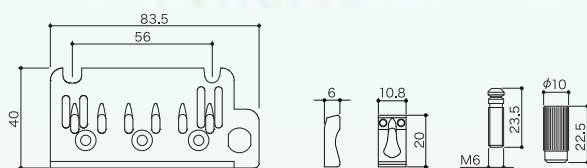
Finishes C. GG. B. CK

Block Height 37MM OR 42MM

BRASS SADDLE
STRING SPACING 10.8MM
STUD LOCK-PAT.



Gold

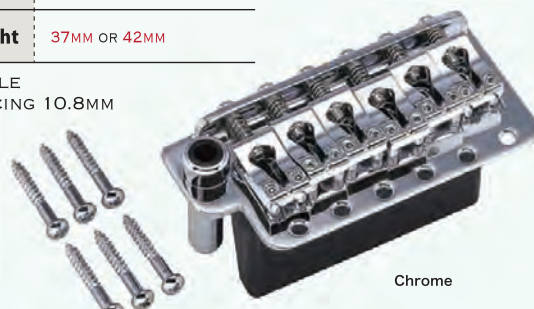


510T-BS2 510TS-BS2

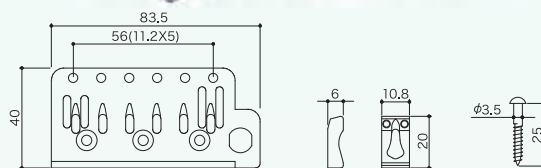
Finishes C. GG. B. CK

Block Height 37MM OR 42MM

BRASS SADDLE
STRING SPACING 10.8MM



Chrome

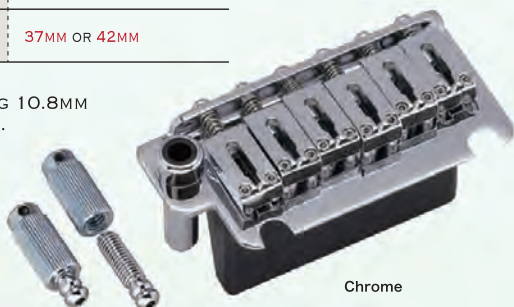


510T-FE1 510TS-FE1

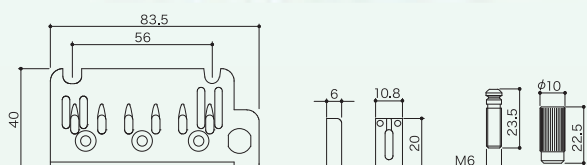
Finishes C. GG. B. CK

Block Height 37MM OR 42MM

STEEL SADDLE
STRING SPACING 10.8MM
STUD LOCK-PAT.



Chrome



510T-FE2 510TS-FE2

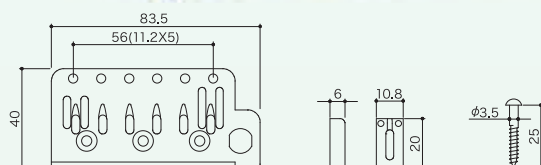
Finishes C. GG. B. CK

Block Height 37MM OR 42MM

STEEL SADDLE
STRING SPACING 10.8MM



Black Chrome

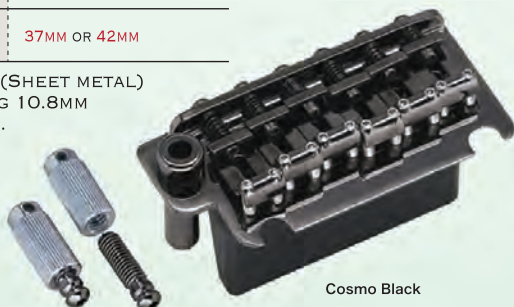


510T-SF1 510TS-SF1

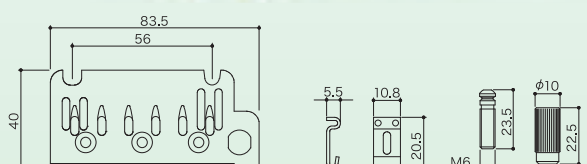
Finishes C. GG. B. CK

Block Height 37MM OR 42MM

STEEL SADDLE (SHEET METAL)
STRING SPACING 10.8MM
STUD LOCK-PAT.



Cosmo Black

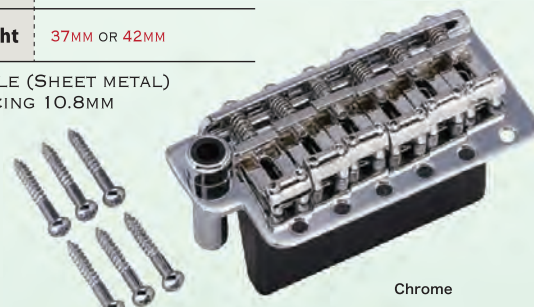


510T-SF2 510TS-SF2

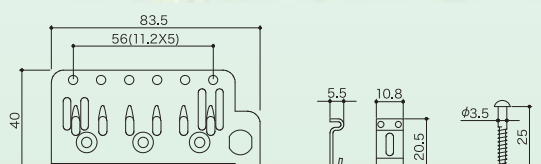
Finishes C. GG. B. CK

Block Height 37MM OR 42MM

STEEL SADDLE (SHEET METAL)
STRING SPACING 10.8MM



Chrome

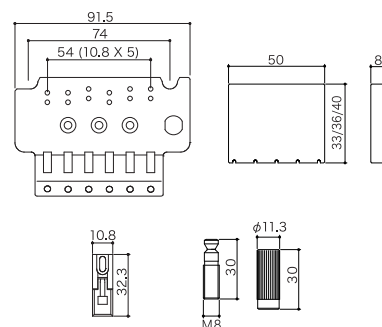


Tremolo Units & Lock Nuts

GE1996T

Finishes	C. GG. B. CK
Block Height	33mm, 36mm, 40mm

SPECIALLY PROCESSED
STEEL SADDLE,
SADDLE RADIUS 350MM
STRING SPACING 10.8MM
STUD LOCK-PAT.

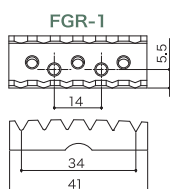


FGR-1

THROUGH NECK TYPE.

Finishes C. GG. B. CK

RADIUS 360MM

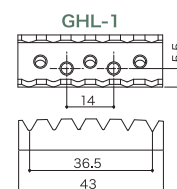


GHL-1

THROUGH NECK TYPE.

Finishes C. GG. B. CK

RADIUS 400MM

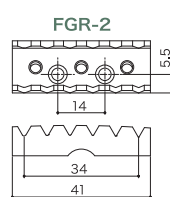


FGR-2

TOP MOUNT TYPE.

Finishes C. GG. B. CK

RADIUS 360MM

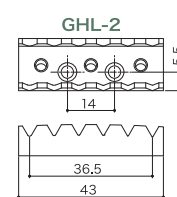


GHL-2

TOP MOUNT TYPE.

Finishes C. GG. B. CK

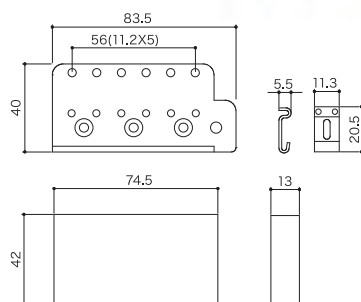
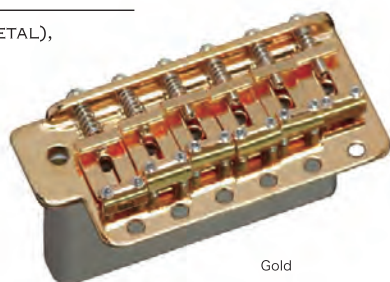
RADIUS 400MM



GE101T

Finishes	C. GG. B. CK
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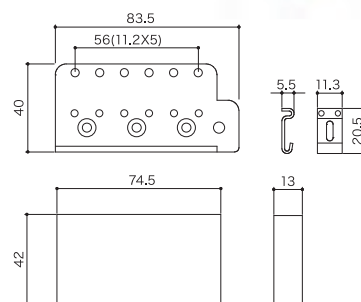
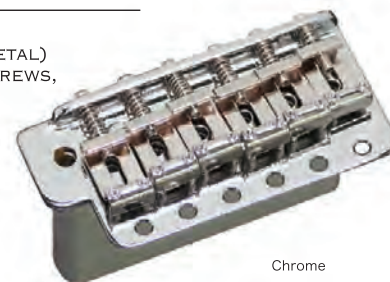
STEEL SADDLE (SHEET METAL),
STRING SPACING 11.3MM



GE101TS

Finishes	C. GG. B. CK
----------	--------------

STEEL BLOCK,
STEEL SADDLE(SHEET METAL)
WITH U.S.A. THREADS SCREWS,
STRING SPACING 11.3MM



Finishes : C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)



GOTOH Wilkinson has the "by G-GOTOH" mark.

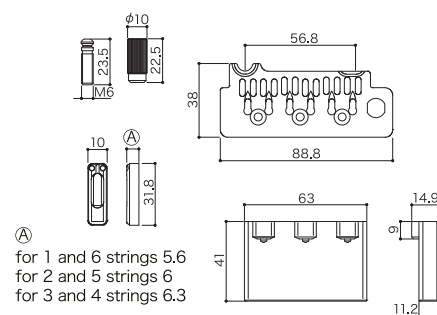
VS100N

Finishes HC. HG. HB. HCK

STRING SPACING : 10.8MM
STUD LOCK-PAT.



Honed Black



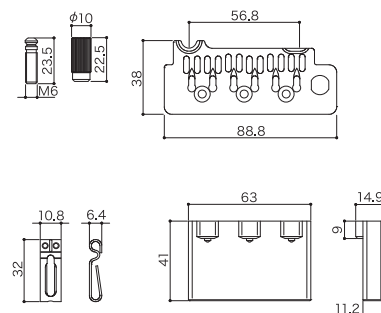
VG300

Finishes C. GG. B. CK

STRING SPACING : 10.8MM
STUD LOCK-PAT.



Gold



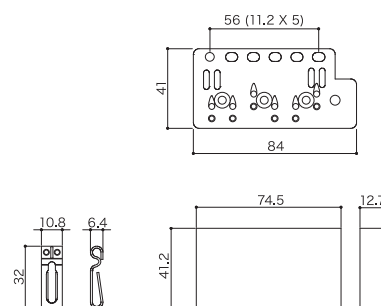
VSVG

Finishes N. GG. B. CK

STRING SPACING : 10.8MM



Nickel



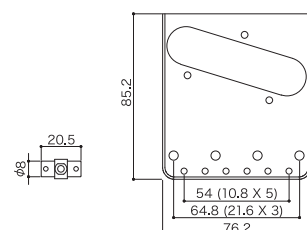
WT3

Finishes N. C. GG (PLATE ONLY)

STRING SPACING : 10.8MM



Chrome



510 SERIES

BRIDGES & TAILPIECES

This new fixed bridge combines a base plate shaved from a brass block by CNC machining and steel saddles. It feels luxurious and provides a rich tone.

510FX-7

NEW



Finishes

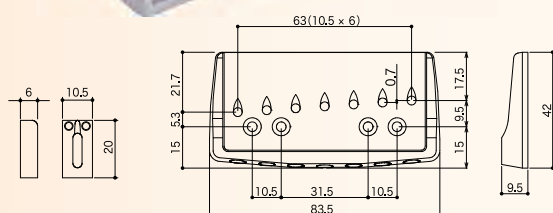
C. GG. B. CK. XN. XC. XG

FOR 7 STRINGS GUITAR

STEEL SADDLE
STRING SPACING 10.5MM



Chrome



510FX-6

NEW



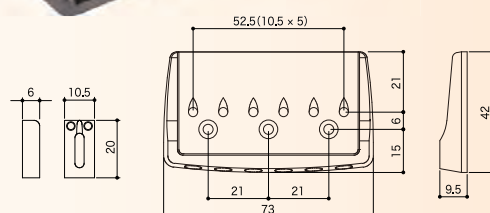
Finishes

C. GG. B. CK. XN. XC. XG

STEEL SADDLE
STRING SPACING 10.5MM



Cosmo Black



510UB

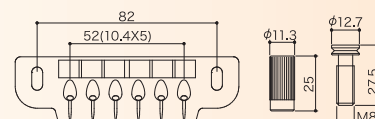
Finishes

C. GG. B. CK. XN. XC. XG

HARD ZINC SADDLE
STUD LOCK-PAT.



Chrome



510FA

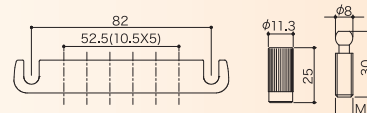
Finishes

C. GG. B. CK. XN. XC. XG

MATERIAL / ALUMINUM
STUD LOCK-PAT.



Gold



510FB

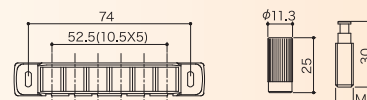
Finishes

C. GG. B. CK. XN. XC. XG

BRASS SADDLE
STUD LOCK-PAT.



Gold



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

GTC101

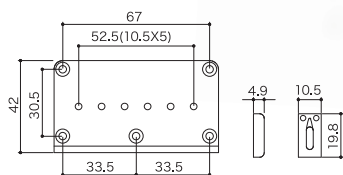
Finishes

C. GG. B. CK

BRASS SADDLE
STRING SPACING 10.5MM



Black Chrome



GTC102

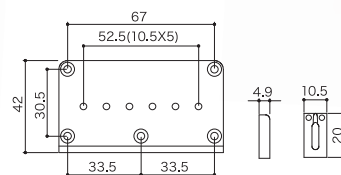
Finishes

C. GG. B. CK

STEEL SADDLE
STRING SPACING 10.5MM



Gold



GTC201

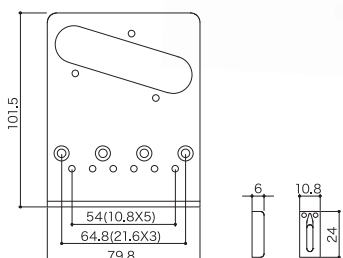
Finishes

C. GG. B. CK

BRASS SADDLE
STRING SPACING 10.8MM



Cosmo Black



GTC202

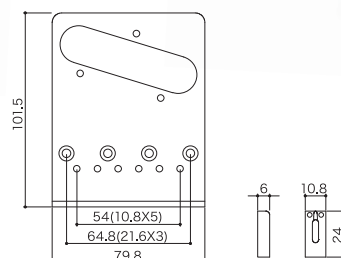
Finishes

C. GG. B. CK

STEEL SADDLE
STRING SPACING 10.8MM



Chrome

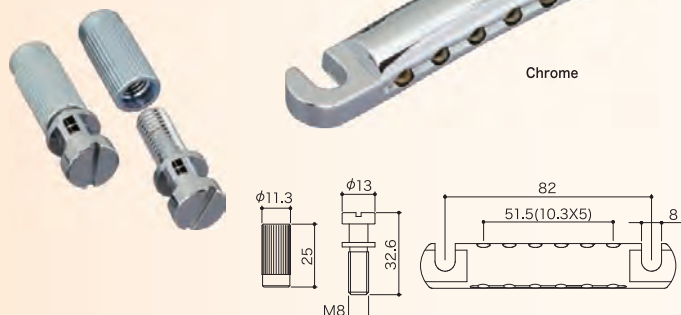


Guitar Bridges & Tailpieces

GE101A

Finishes N. C. GG. B. CK

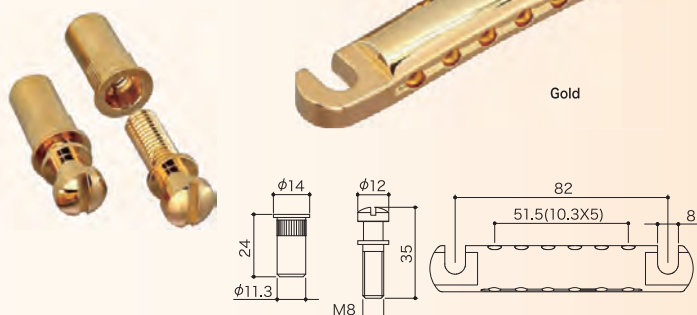
Material ALUMINUM



GE101A-T

Finishes N. C. GG. B. CK

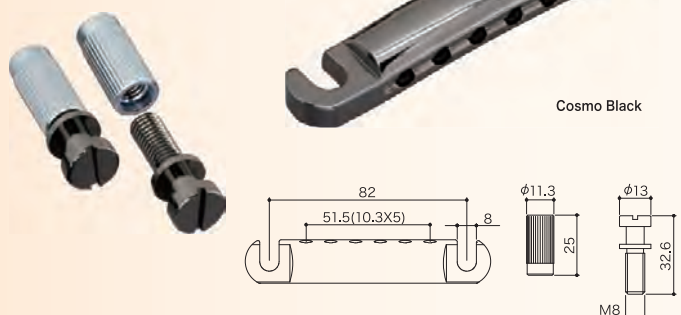
Material ALUMINUM



GE101Z

Finishes N. C. GG. B. CK

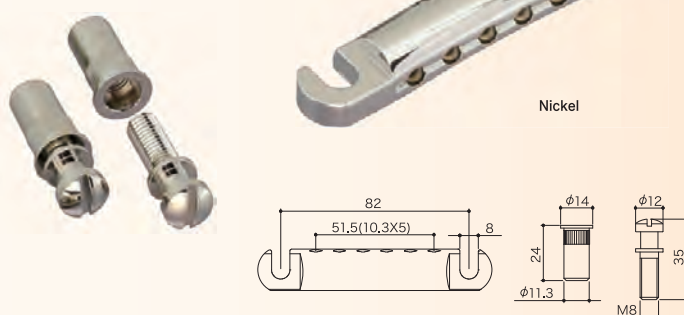
Material ZINC DIECAST



GE101Z-T

Finishes N. C. GG. B. CK

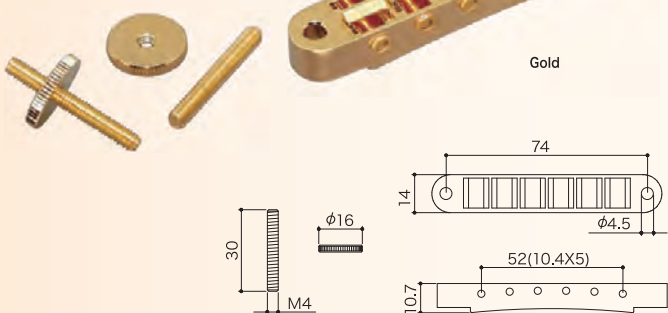
Material ZINC DIECAST



GE103B

Finishes N. C. GG. B. CK

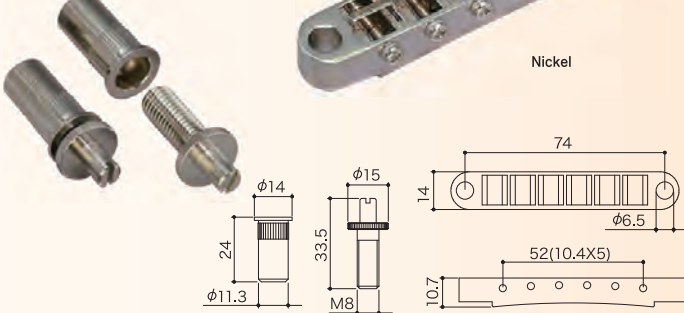
HARD ZINC SADDLE



GE103B-T

Finishes N. C. GG. B. CK

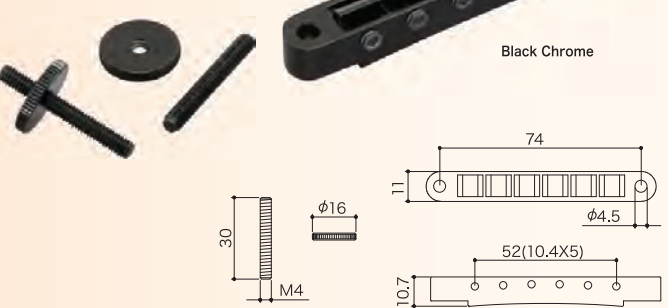
HARD ZINC SADDLE



GE104B

Finishes N. C. GG. B. CK

HARD ZINC SADDLE



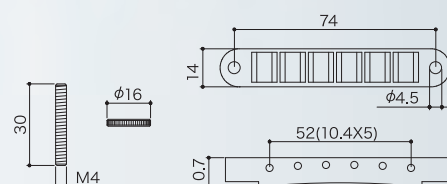
Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)

Titanium Saddle Series

Ti103B

Finishes N. C. GG. B. CK

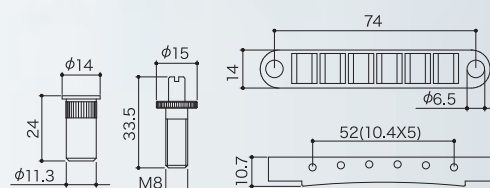
TITANIUM SADDLE



Ti103B-T

Finishes N. C. GG. B. CK

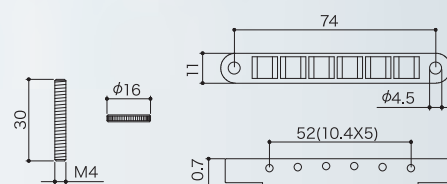
TITANIUM SADDLE



Ti104B

Finishes N. C. GG. B. CK

TITANIUM SADDLE



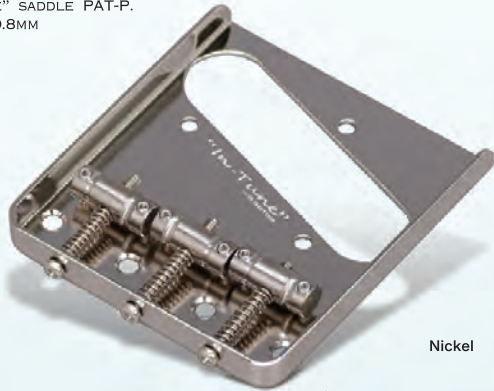
"In-Tune" Saddle Series

PAT-P.

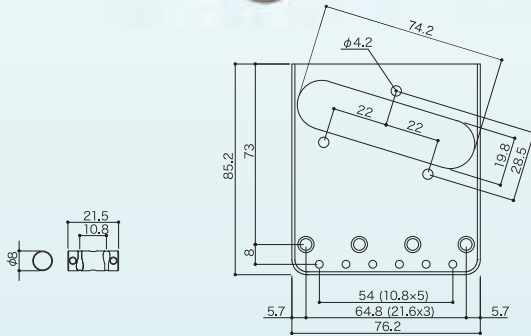
Ti-TC1

Finishes N. C. GG (PLATE ONLY)

TITANIUM "IN-TUNE" SADDLE PAT-P.
STRING SPACING 10.8MM



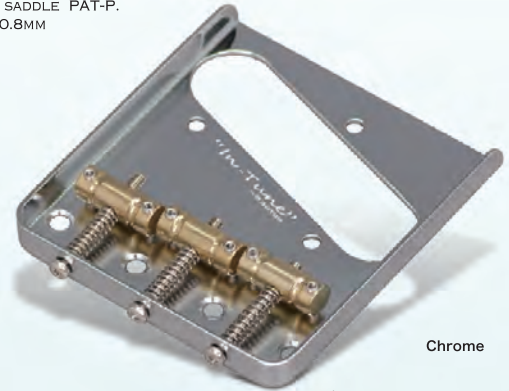
Nickel



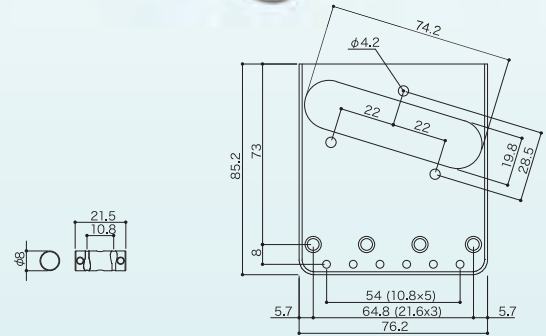
BS-TC1

Finishes N. C. GG (PLATE ONLY)

BRASS "IN-TUNE" SADDLE PAT-P.
STRING SPACING 10.8MM



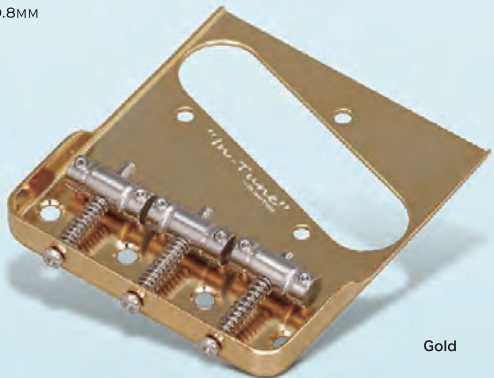
Chrome



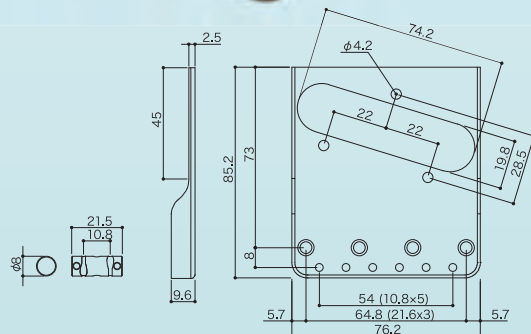
Ti-TC1S

Finishes N. C. GG (PLATE ONLY)

TITANIUM "IN-TUNE" SADDLE PAT-P.
STRING SPACING 10.8MM



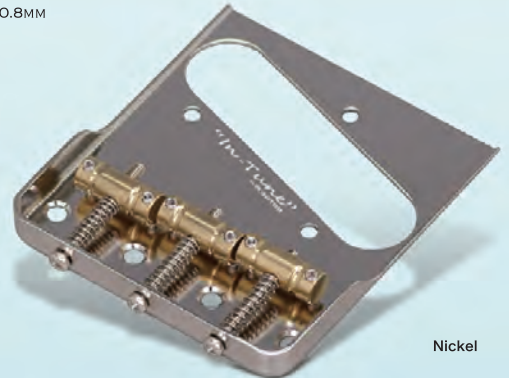
Gold



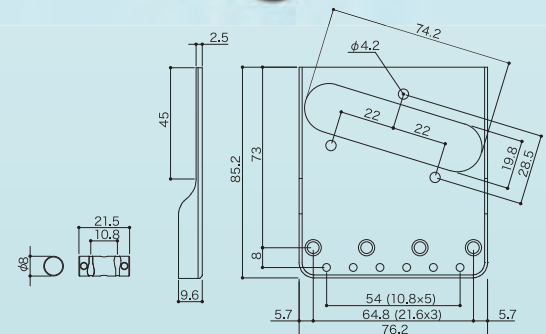
BS-TC1S

Finishes N. C. GG (PLATE ONLY)

BRASS "IN-TUNE" SADDLE PAT-P.
STRING SPACING 10.8MM



Nickel



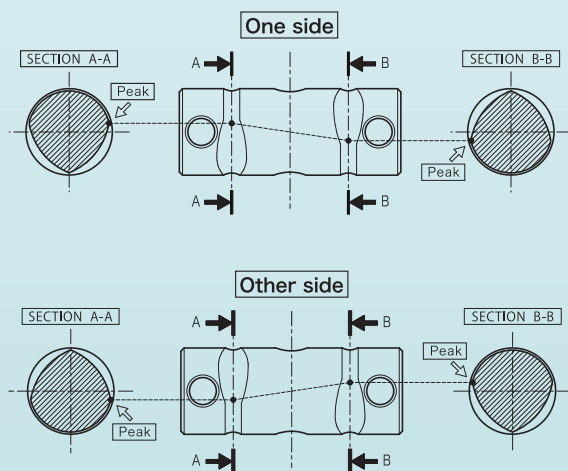
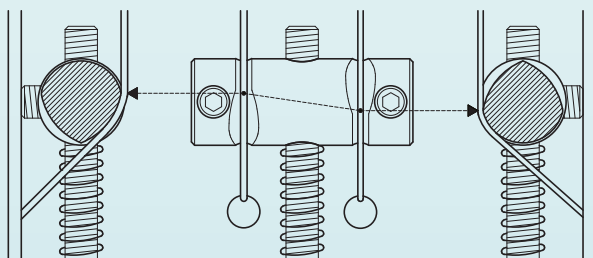
Finishes : N (Nickel), C (Chrome), GG (Gold)



What's the “In-Tune” saddle?

Gotoh's unique grooving on the “In-Tune” saddles results in more exact intonation compared to traditional vintage-style saddles. Each saddle is reversible and can be used in any position. Titanium construction for rich harmonic overtones and long sustain. The brass saddle creates bright sound.

*Perfect octave tuning not guaranteed.



MULTI-TONAL SERIES

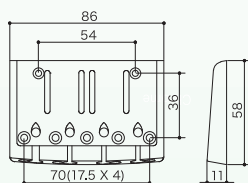
The 404/ J510 bass bridge series meets the exacting needs of bass players and custom builders. The base plate of the J510/404(4/5strings) model using hard zinc.

The base plate of 404(4/5strings)/J510 model using hard zinc, 404(6strings) model using solid brass 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.

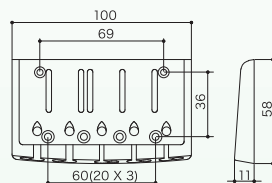
404SJ	
Finishes	C. GG. B. CK. XN. XC. XG
Saddle Material	STEEL
Plate Material	404SJ-4 : HARD ZINC 404SJ-5 : HARD ZINC 404SJ-6 : BRASS
String Spacing	404SJ-4 : 19MM 404SJ-5 : 18MM 404SJ-6 : 18MM



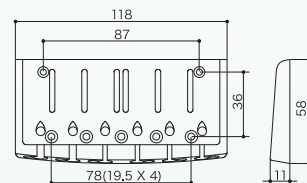
404SJ-4



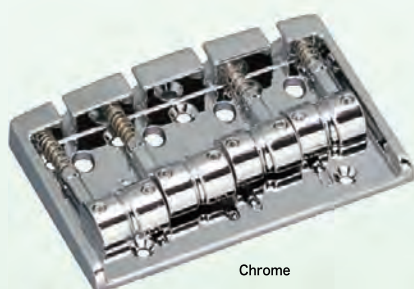
404SJ-5



404SJ-6



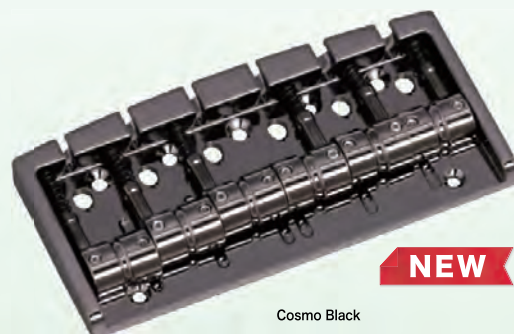
* Saddle size is the same.



Chrome



Black Chrome



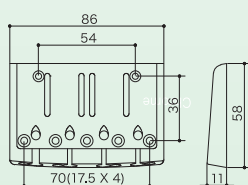
Cosmo Black

NEW

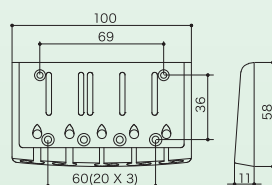
404BO	
Finishes	C. GG. B. CK. XN. XC. XG
Saddle Material	BRASS
Plate Material	404BO-4 : HARD ZINC 404BO-5 : HARD ZINC 404BO-6 : BRASS
String Spacing	404BO-4 : 19MM 404BO-5 : 18MM 404BO-6 : 18MM



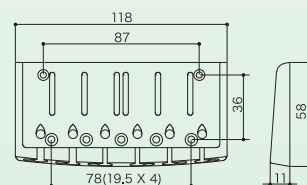
404BO-4



404BO-5



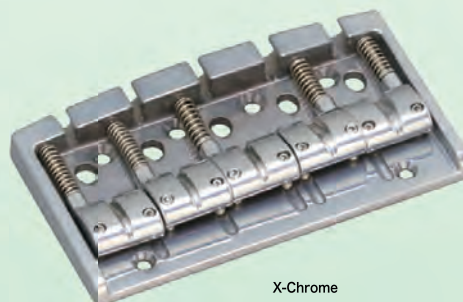
404BO-6



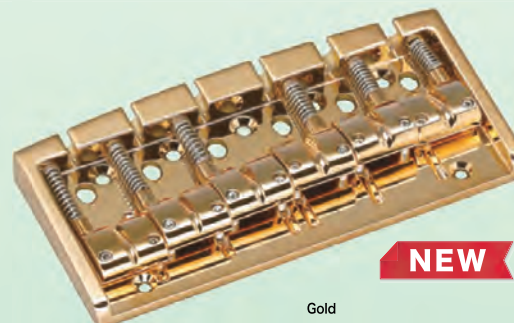
* Saddle size is the same.



X-Nickel



X-Chrome



Gold

NEW

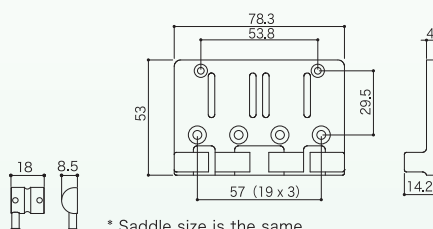


Bass Bridges

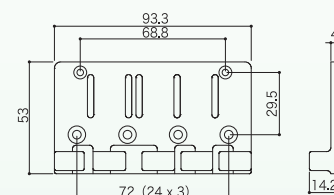
J510SJ	
Finishes	C. GG. B. CK. XN. XC. XG
Saddle Material	STEEL
Plate Material	HARD ZINC
String Spacing	J510SJ-4 : 19MM J510SJ-5 : 18MM



J510SJ-4



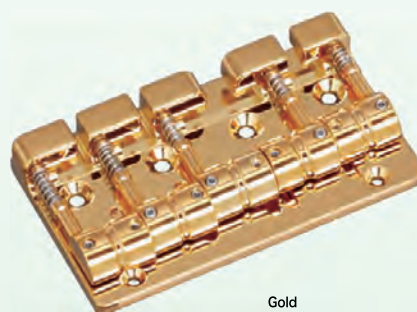
J510SJ-5



* Saddle size is the same.



Cosmo Black

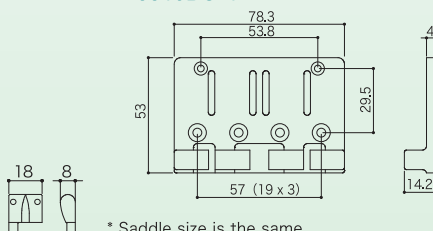


Gold

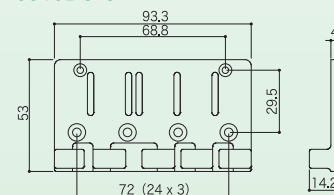
J510BO	
Finishes	C. GG. B. CK. XN. XC. XG
Saddle Material	BRASS
Plate Material	HARD ZINC
String Spacing	J510BO-4 : 19MM J510BO-5 : 18MM



J510BO-4



J510BO-5



* Saddle size is the same.

Gold



Black Chrome



Chrome

S510B SERIES

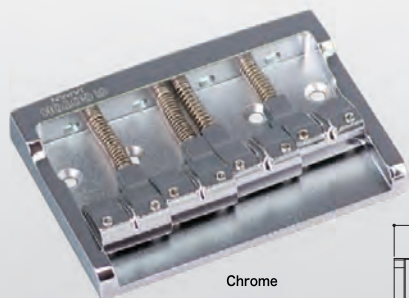
Bass Bridges

The base plate is made of steel and the saddles of brass, all of which have been carved from solid blocks. This high-density material enhances the transmission of sound and improves sustain in a way that usual die-casting is unable to achieve. Extra weight for rich low frequencies.

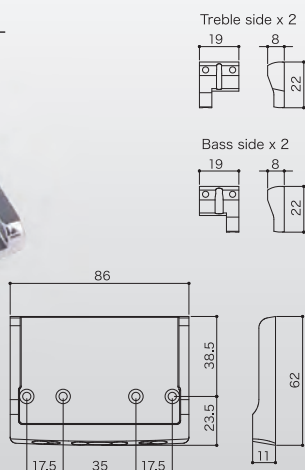


S510B-4

Finishes	C. GG. B. CK
Plate Material	STEEL
Saddle Material	BRASS
String Spacing	19MM

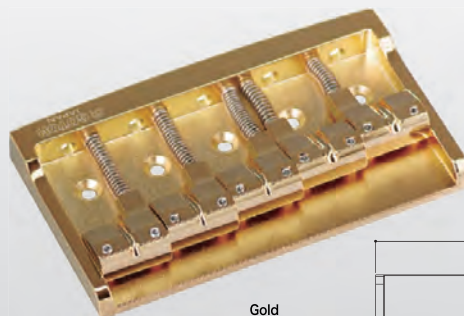


Chrome

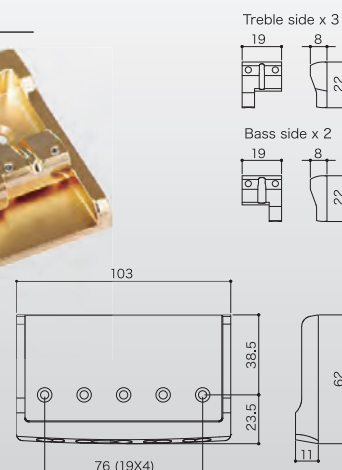


S510B-5

Finishes	C. GG. B. CK
Plate Material	STEEL
Saddle Material	BRASS
String Spacing	19MM



Gold

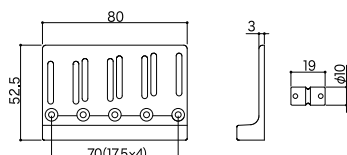


REGULAR SERIES

Bass Bridges

201B-4

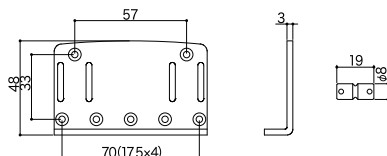
Finishes	C. GG. B. CK
Plate Material	ZINC
Saddle Material	BRASS
String Spacing	19MM



Black Chrome

203B-4

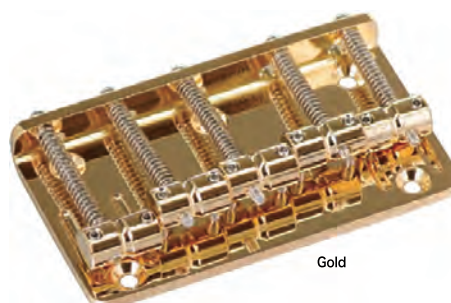
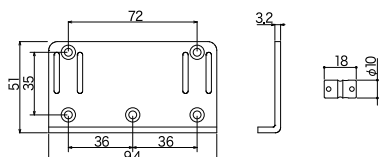
Finishes	N. C. GG. B. CK
Plate Material	BRASS
Saddle Material	BRASS
String Spacing	19MM



Nickel

205B-5

Finishes	N. C. GG. B. CK
Plate Material	STEEL
Saddle Material	BRASS
String Spacing	18MM



Gold

Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)



- ARMS - FOR GOTOH TREMOLO UNITS

A1	A2	B1	B2	A7
----	----	----	----	----

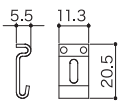



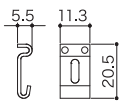

A8	F3	C1	AW-1	AW-2
----	----	----	------	------

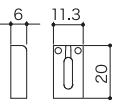



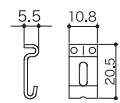

- SADDLE SETS -

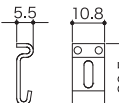

FOR GUITARS

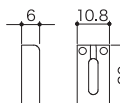

S101	
Finishes	N. GG. B. CK
Material	STEEL (SHEET METAL)
6pcs/set	
	
Nickel	

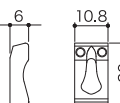

S101S	
Finishes	N. GG. B. CK
Material	STEEL (SHEET METAL) WITH USA THREADS SCREWS
6pcs/set	
	
Gold	

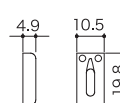

S102	
Finishes	C. GG. B. CK
Material	STEEL
6pcs/set	
	
Cosmo Black	

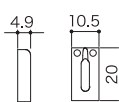

S108	
Finishes	N. GG. B. CK
Material	STEEL (SHEET METAL)
6pcs/set	
	
Nickel	

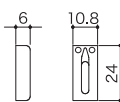

S188	
Finishes	N. GG. B. CK
Material	STEEL (SHEET METAL)
6pcs/set	
	
Nickel	

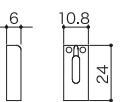

S199	
Finishes	C. GG. B. CK
Material	STEEL
6pcs/set	
	
Gold	



S200	
Finishes	C. GG. B. CK
Material	BRASS
6pcs/set	
	
Cosmo Black	

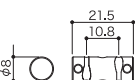

S11	
Finishes	C. GG. B. CK
Material	BRASS
6pcs/set	
	
Gold	

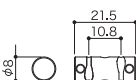

S21	
Finishes	C. GG. B. CK
Material	STEEL
6pcs/set	
	
Chrome	

S12	
Finishes	C. GG. B. CK
Material	BRASS
6pcs/set	
	
Cosmo Black	

S22	
Finishes	C. GG. B. CK
Material	STEEL
6pcs/set	
	
Gold	

SW-3	
Finish	---
Material	SOLID BRASS
3pcs/set	
	

In-Tune Ti	
Finish	---
Material	SOLID TITANIUM
3pcs/set	
	

In-Tune BS	
Finish	---
Material	SOLID BRASS
3pcs/set	
	

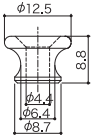

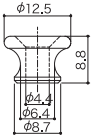

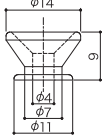

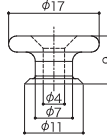

- SADDLE SETS -

FOR BASSES

S201		S203		S205		S203Ti	
Finishes	C. GG. B. CK	Finishes	N. C. GG. B. CK	Finishes	N. C. GG. B. CK	Finish	---
Material	BRASS	Material	BRASS	Material	BRASS	Material	SOLID TITANIUM
4pcs/set		4pcs/set		5pcs/set		4pcs/set	
  <p>Chrome</p>		  <p>Gold</p>		  <p>Cosmo Black</p>		 	

Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)


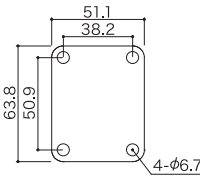
- STRAP PIN -

EP-A1	EP-B1	EP-B2	EP-B3
SOLID ALUMINUM	Finishes N. C. GG. B. CK	Finishes N. C. GG. B. CK	Finishes N. C. GG. B. CK
 	  <p>Gold</p>	  <p>Nickel</p>	  <p>Black Chrome</p>


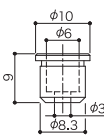

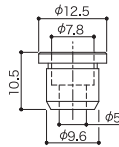
- JACK COVER -

JCS-1	JCB-2	JCB-4
Finishes C. GG. B. CK	Finishes C. GG. B. CK	Finishes C. GG. B. CK
  <p>Gold</p>	  <p>Cosmo Black</p>	  <p>Chrome</p>

- NECK JOINT PLATE -

NBS-3
Finishes C. GG. B. CK
  <p>Gold</p>

- STRING BUSHING -


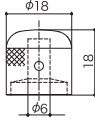

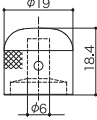

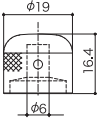

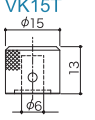
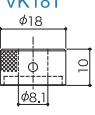
TLB-1	TLB-2
Finishes N. C. GG. B. CK	Finishes N. C. GG. B. CK
  <p>Gold</p>	  <p>Chrome</p>

- STRAP LOCKER -

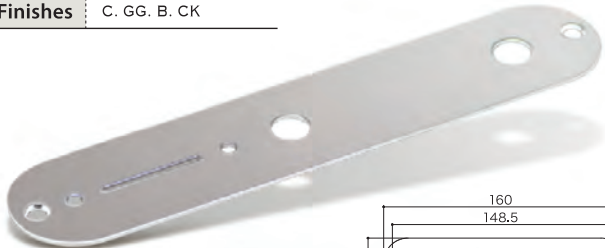
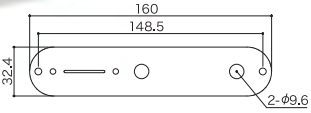
SLR
Finishes C. GG. B. CK
<p>NEW</p> <p>This is a newly-designed Strap Lock which makes it possible to easily put it on or take it off with just one touch.</p>    <p>Assembly image</p>

Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)

- DOME KNOB -

VK1-18		VK1-19		VK3		VK15T / VK18T	
Finishes	C. GG. B. CK	Finishes	C. GG. B. CK	Finishes	C. GG. B. CK	Finishes	C. GG. B. CK
 <p>Chrome</p> 		 <p>Gold</p> 		 <p>Black Chrome</p> 		 <p>Cosmo Black</p>  	


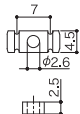

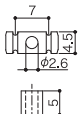

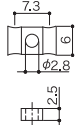

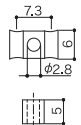

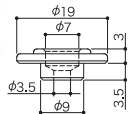

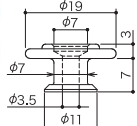
- CONTROL PANEL -

CP-10	
Finishes	C. GG. B. CK
 <p>Chrome</p> 	


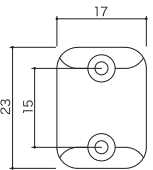
- TENSION BAR -

TB47.5	
Finishes	C. GG. B. CK
 <p>Cosmo Black</p> 	


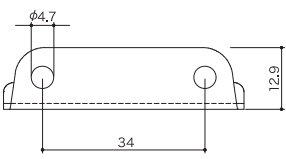
- STRING RETAINER -

RG15		RG30	
Finishes	N. C. GG. B. CK	Finishes	N. C. GG. B. CK
 <p>Black Chrome</p> 		 <p>Chrome</p> 	
RG105		RG130	
Finishes	N. C. GG. B. CK	Finishes	N. C. GG. B. CK
 <p>Gold</p> 		 <p>Nickel</p> 	
RB20		RB30	
Finishes	N. C. GG. B. CK	Finishes	N. C. GG. B. CK
 <p>Chrome</p> 		 <p>Gold</p> 	

- WRENCH HOLDER -

WRH-1W	
 	

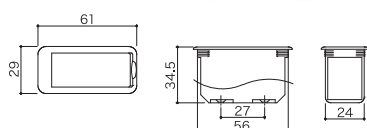
- SPRING HANGER -

SPH	
 	

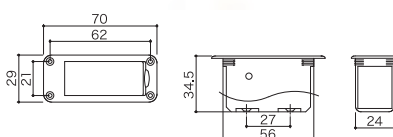
Finishes : N (Nickel), C (Chrome), GG (Gold), B (Black Chrome), CK (Cosmo Black)

- BATTERY BOX -

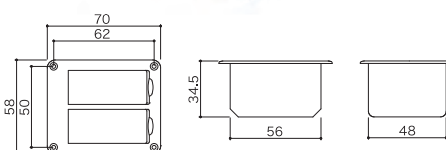
BB-02



BB-04



BB-04W



- 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



- PICK CASE -

PC-01

Material: GENUINE LEATHER



* This is a usage image. Pick is not included.

GOTOH Product handling precautions

There is a possibility that some alteration to your guitar might be necessary to install GOTOH Products, including but not limited to woodwork. If installed without proper care the instrument may be damaged. We suggested that you consult with a repair shop or the shop where this merchandise is sold before making the decision to purchase. Please be careful as our company will not accept responsibility for any damage caused or issues arising from your installation of GOTOH products.

Luxury Mode

GOTOH 'Luxury Mode' is an ultra fine, high-speed machine carving technology, which makes instrument parts much more aesthetically pleasing.

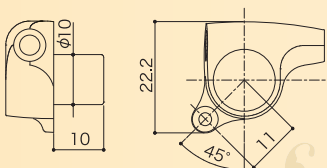
GUITAR MACHINE HEAD



SGS510Z-A20LX
SGS510Z-A60LX
SGS510Z-A70LX



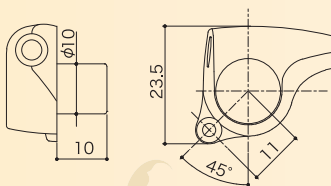
STRING POST : STANDARD
FINISHES : C. GG
GEAR RATIO : 1-18



SGL510Z-A20LX
SGL510Z-A60LX
SGL510Z-A70LX



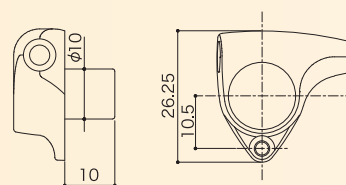
STRING POST : STANDARD
FINISHES : C. GG
GEAR RATIO : 1-21



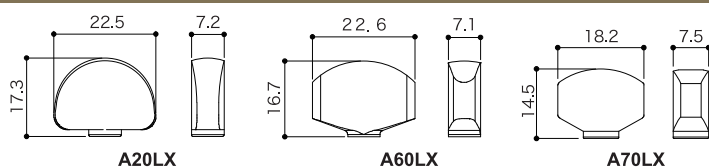
SGV510Z-A20LX
SGV510Z-A60LX
SGV510Z-A70LX



STRING POST : STANDARD
FINISHES : C. GG
GEAR RATIO : 1-21



Luxury Mode Button Dimensions



* Luxury Mode machine heads have limited options such as string posts, colors and buttons.

Finishes : C (Chrome), GG (Gold)

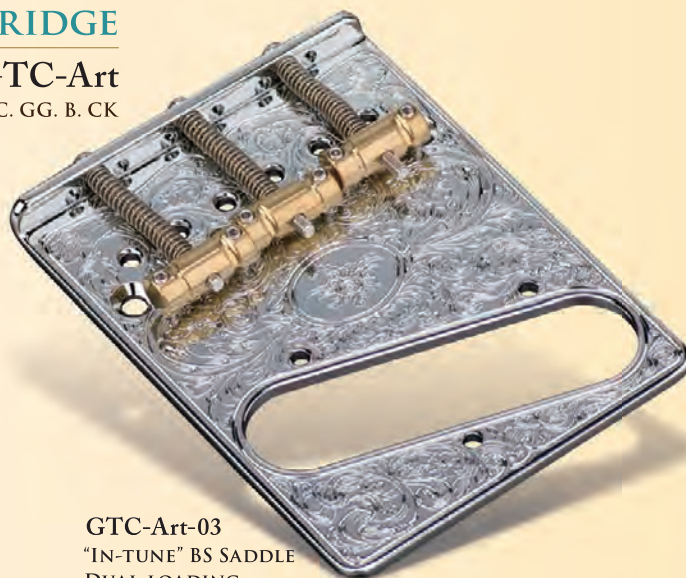
GUITAR BRIDGE

GTC-Art

FINISHES : C. GG. B. CK



GTC-Art-02



GTC-Art-03

"IN-TUNE" BS SADDLE
DUAL-LOADING

NECK JOINT PLATE

NBS-Art

FINISHES : C. GG. B. CK



NBS-Art-02
(Japanese Art)



NBS-Art-01
(Crest)



NBS-Art-04
(Acanthus)



CONTROL PANEL

CP-10-Art-01

FINISHES : C. GG. B. CK

CONTROL KNOB

VK-Art (VK1-19)

FINISHES : C. GG. B. CK



VK-Art-01 (Eye of Horus)



VK-Art-02 (Skull)



VK-Art-03 (Cross)

- * Relic Series products are limited to specific models and options.
- * SD90 with standard string posts and SL buttons.
- * SD91 with standard string posts and 05M buttons.
- * The process creates unique textures in each individual part.
- * It is possible for the texture and appearance to further develop and change depending on operating conditions and age.
- * Basic specifications conform to those of the regular product.
- * Please check details, such as a dimension, by the each product page or an official web.





The Intentional Aged String Instruments Parts

SERIES

SD91



Finish : Aged Nickel
String Post : STANDARD
Gear ratio : 1 : 15
Button : 05M

New parts with a realistic aged appearance.

Most aged-looking machine heads on the market are the result of chemical treatments and polishing processes. Unfortunately, those treatments also affect the durability and functionality of the parts. GOTOH Relic Series parts are crafted to look aged during production. Key internal components are not affected by this process and retain their usability and durability. This is the advantage of being developed at the manufacturing stage.

BS-T61



Finish : Aged Chrome

FB30



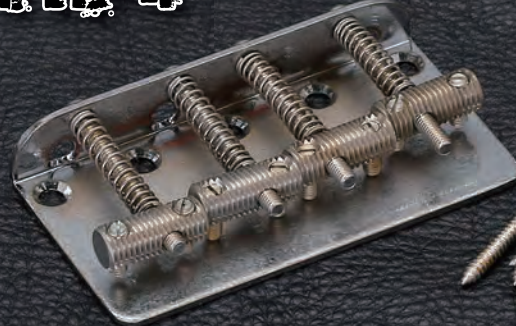
Finish : Aged Nickel

NBS-3



Finish : Aged Chrome

VTB-4



Finish : Aged Chrome

RG105 RG130



Finish : Aged Nickel

TLB-1



Finish : Aged Nickel

EP20



Finish : Aged Chrome

RB20



Finish : Aged Nickel



Parts Collection

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