

PARTS

GOTOH®

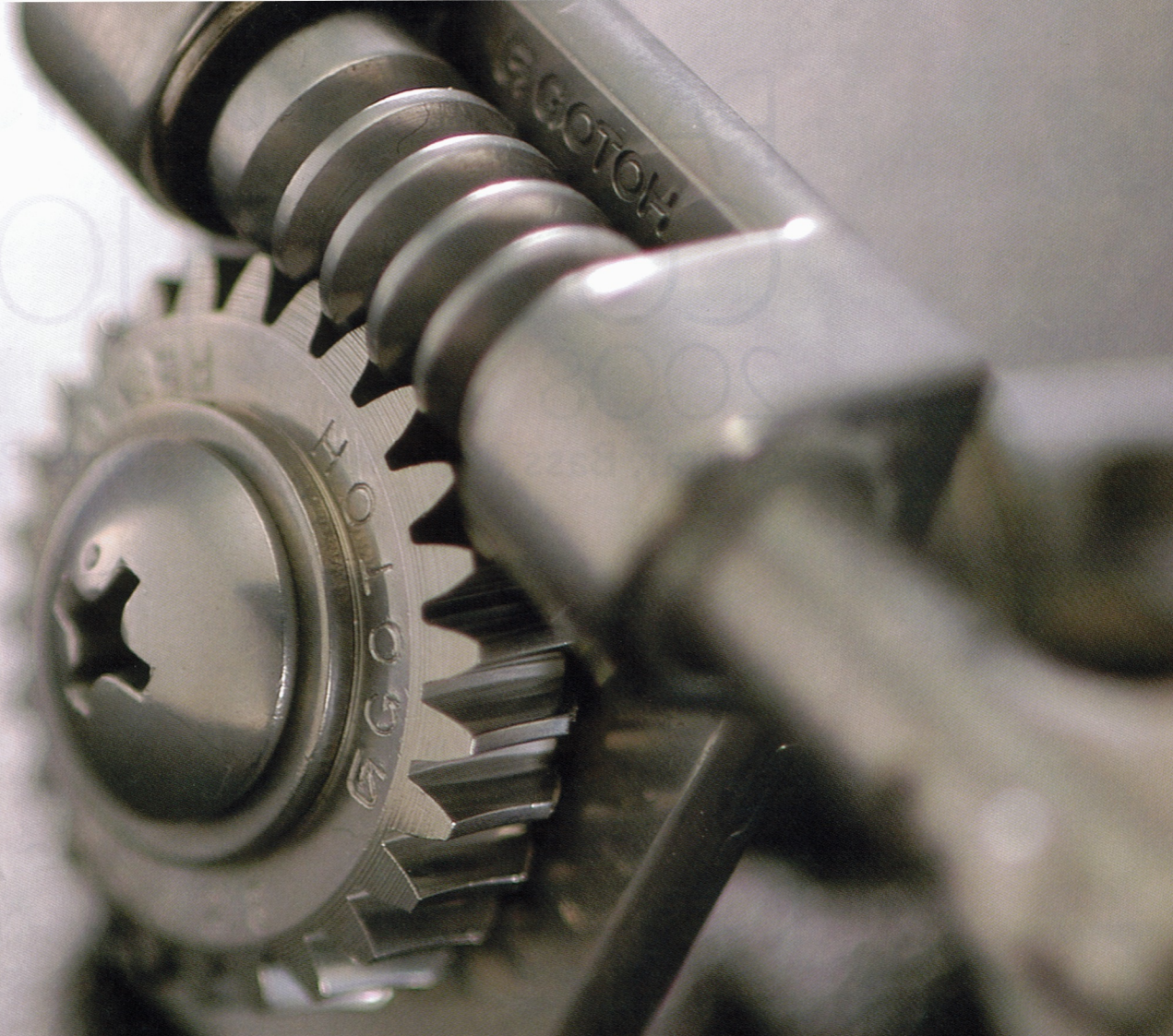
COLLECTION

2008

Guitar, Bass & String Instruments PARTS



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PARTS

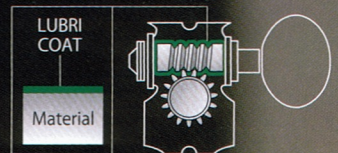


GOTOH® technical innovation



LUBRI-COAT™

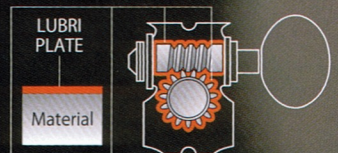
With a "Solid Lubrication Coat", regular oil has been eliminated keeping the lubrication where it is needed for the life of the tuning machine heads. It is now enhanced with a GOTOH original anti-transformable lubrication oil and this reduces the friction between the gears resulting an ultra smooth feel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



LUBRI-PLATE™

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

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



ROCK-SOLID™ STRING POST

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

Usual string post



ROCK-SOLID





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

After developing the revolutionary "Lubri-Plate" lubrication process, further experimenting revealed other assets of this unique application. Gotoh have used this to create "X-Finish"™. Due to its' natural properties "X-Finish"™ will keep your chosen instrument performing better for longer. Please note: Color may be subject to change after a long period of use. This does not affect its performance and can result in a very pleasing "Aged / Vintage" appearance.

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



X-Series gears finished in "X" FINISH

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

Guitar Machine Heads

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

Planetary Banjo Tuners

SPBJ-4 · SPBJ-5

Bass Guitar Machine Heads

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

Tremolo Units

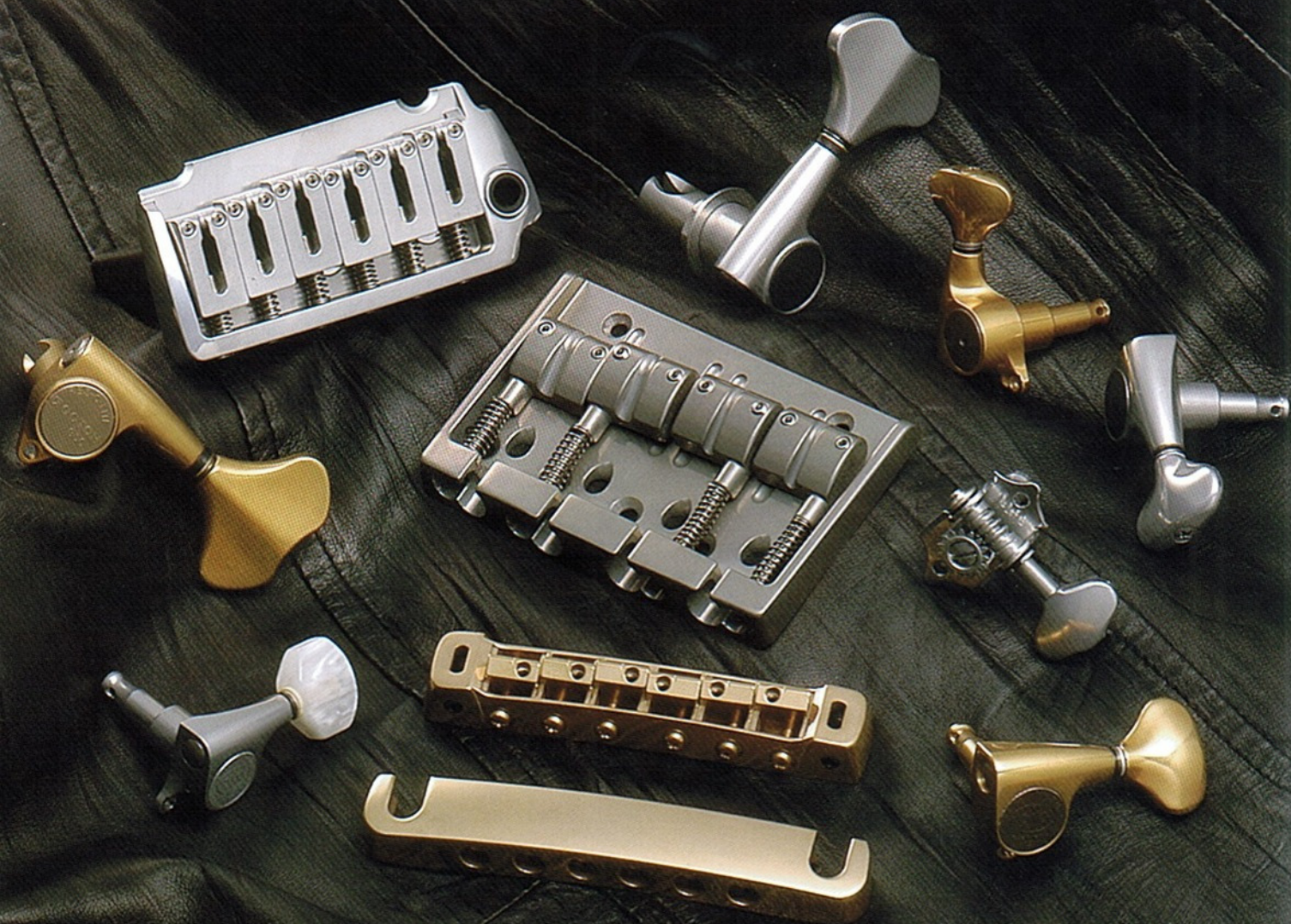
EV510T · EV510TS

Guitar Bridges

GTC510 · 510FA · 510FB · 510UB

Bass Bridges

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



GOTOH®

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

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



Standard string post



H.A.P.® [Height Adjustable Post] PAT.

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

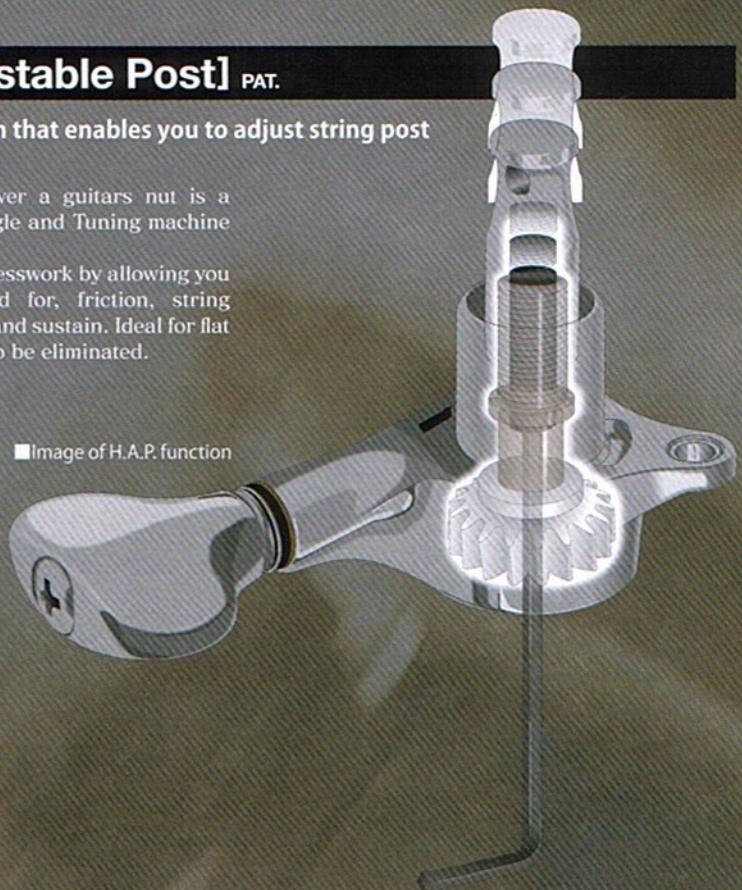
Creating the perfect down pressure over a guitars nut is a complex balance between Headstock angle and Tuning machine head post height selection.

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



H.A.P. String post

Image of H.A.P. function



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MG [MAGNUM LOCK] PAT.

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

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



Magnum-Lock string post



H.A.P. -A PAT.

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



H.A.P.-A String post



H.A.P. -M PAT.

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



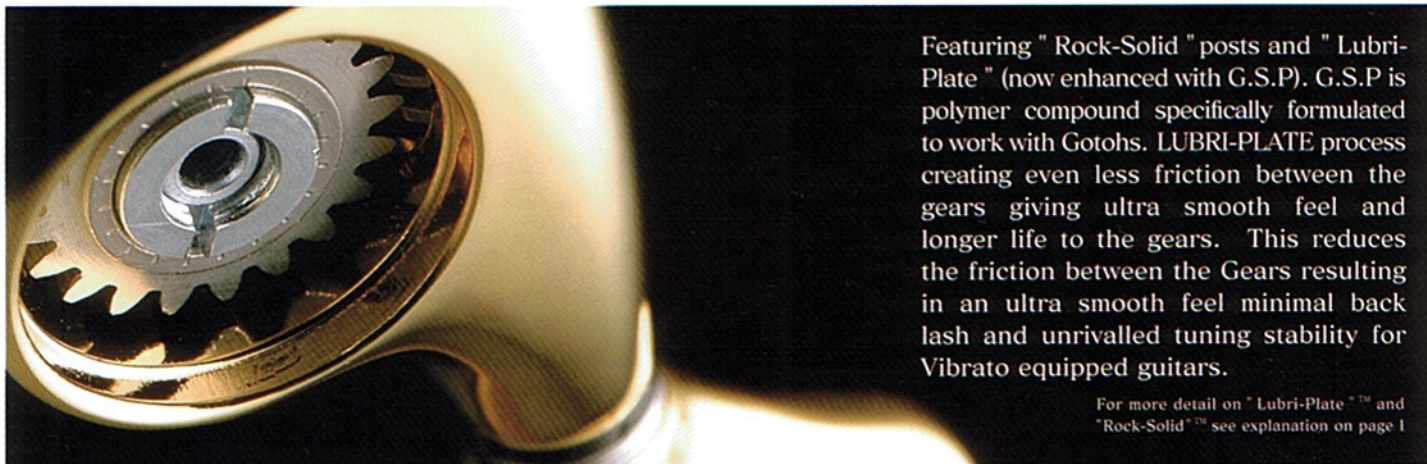
H.A.P.-M String post



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

SG-510 Series



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

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

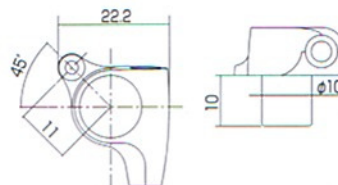
SGS510



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



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



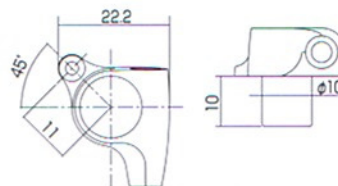
SGS510Z



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



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



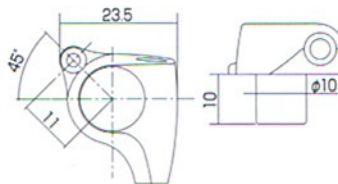
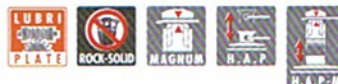
SGL510

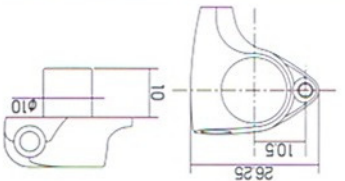
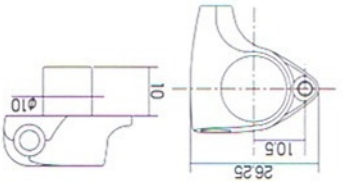
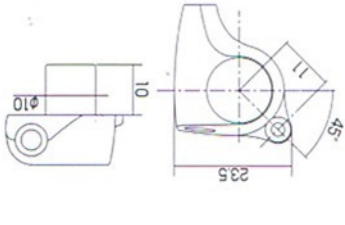


- SGL510
- SGL510MG
- SGL510H.A.P
- SGL510H.A.P.A
- SGL510H.A.P.M

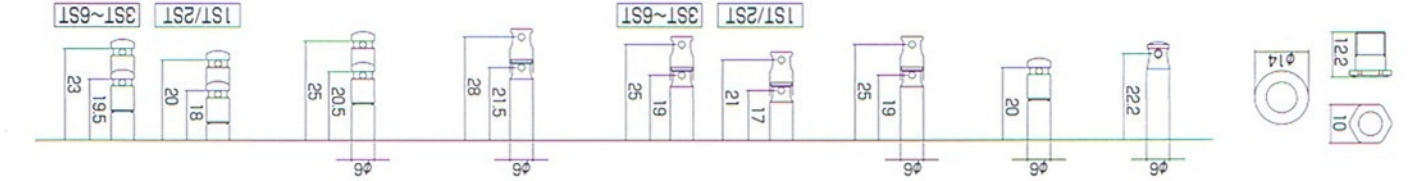


Finishes	C.G.G.CK.XN.XC.XG
Gear ratio	1:18
e.g.	SGL510-P2 SGL510-L5 HAPA SGL510-L5 MG





HAP/L60R6 HAP/L3+R3 HAP/L3+R3 HAP/L3+R3 HAP/L60R6 HAP/L3+R3



SG-510 Series BUTTON OPTION



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

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

SG510Z

SG510Z
SG510ZMG
SG510ZH.A.P
SG510ZH.A.P.A
SG510ZH.A.P.M

Finishes C.GG,CK,XN,XC,XG
Gear ratio 1:2:1
e.g. SGL510Z-L5
SGL510Z-EN01 MG
SGL510Z-P1 HAPM

SG510

SG510
SG510MG
SG510H.A.P
SG510H.A.P.A
SG510H.A.P.M

Finishes C.GG,CK,XN,XC,XG
Gear ratio 1:1:8
e.g. SGV510-L5
SGV510-P1 MG
SGV510-EN01 HAPA

SGV510Z

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

Finishes C.GG,CK,XN,XC,XG
Gear ratio 1:2:1
e.g. SGV510Z-BL5 HAP
SGV510Z-S5
SGV510Z-L5 HAPM

String post dimension STANDARD MG HAP/L3+R3 HAP/L60R6 HAP/L3+R3 HAP/L3+R3 HAP/L60R6 HAP/L3+R3



SG Series

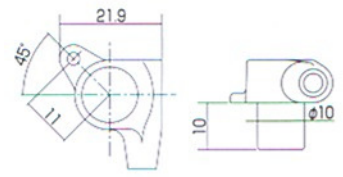
Guitar Machine Heads SG Series

SG503



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

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

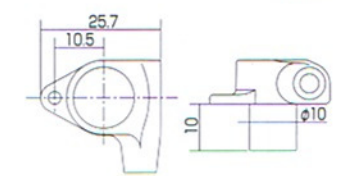


SG301



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

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

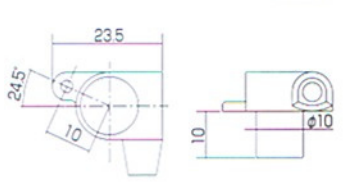


SG360



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

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

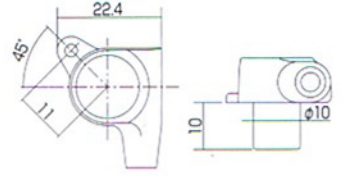


SG381



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

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

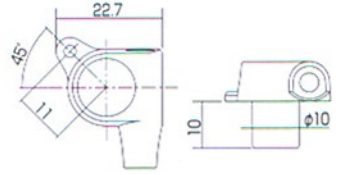


SGM



SGM
SGMMG

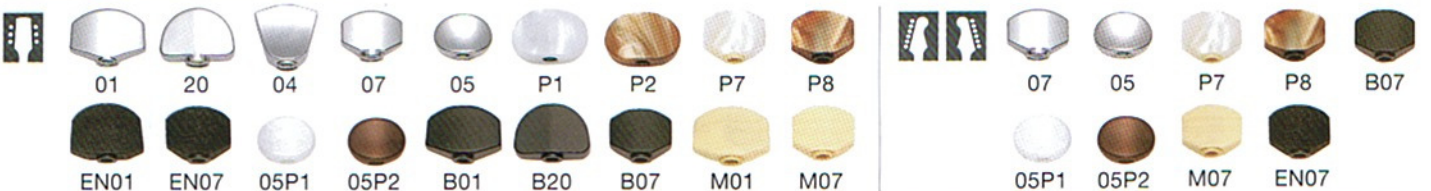
Finish	C
Gear ratio	1:16
e.g.	SGM-05P1-L SGM-07-L MG SGM-20



String post dimension	STANDARD	MG	HAP/L3+R3	HAP/L6orR6	HAPA/L3+R3	HAPM/L3+R3	HAPM/L6orR6
	φ6 22.2	φ6 20	φ6 19 25	φ6 17 21 19 25	φ6 21.5 28	φ6 20.5 25	φ6 18 20 19.5 23
				1ST/2ST 3ST~6ST			1ST/2ST 3ST~6ST

SG Series BUTTON OPTION

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



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

Electric and Acoustic Guitar Machine Heads

SE510 Series • SD510 Series

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



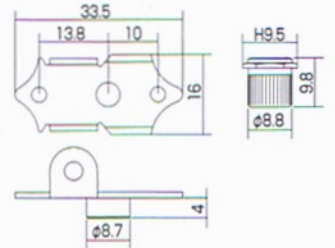
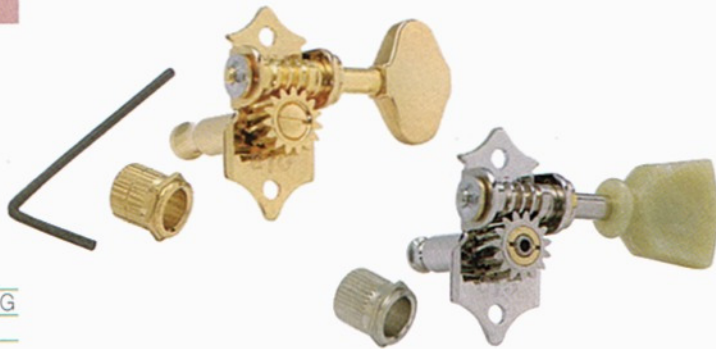
SE510



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



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



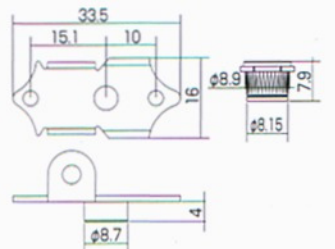
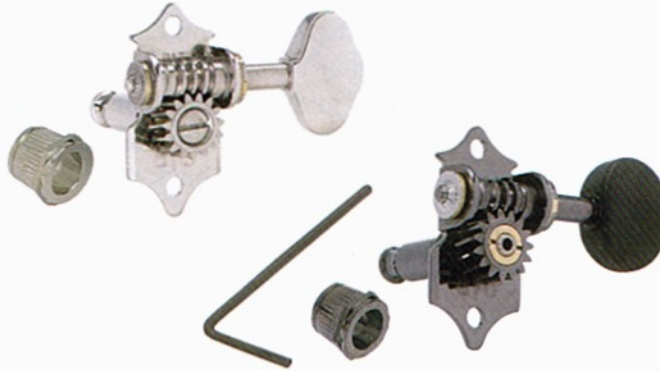
SE510M



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



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



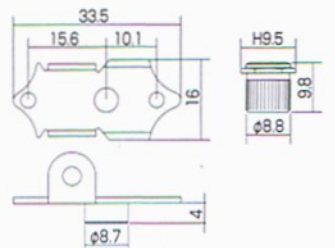
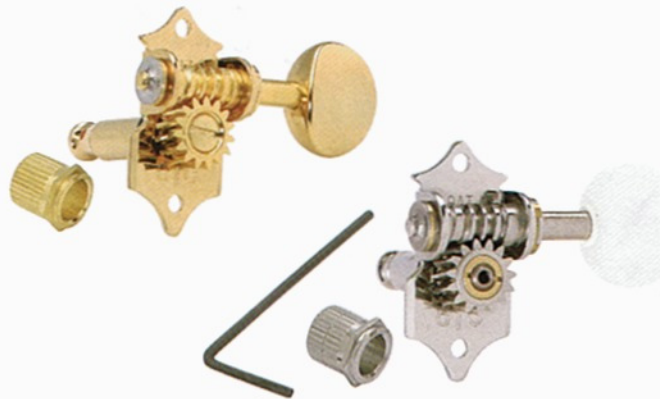
SE510W



SE510W
SE510WVG
SE510WH.A.P
SE510WH.A.P.A



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



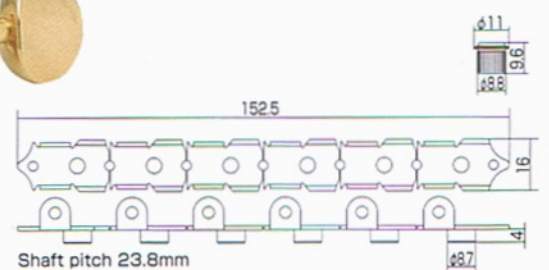
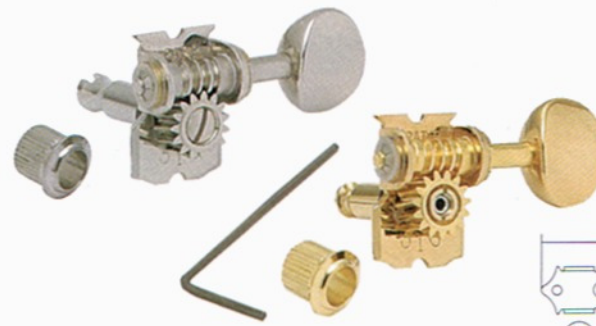
SES510



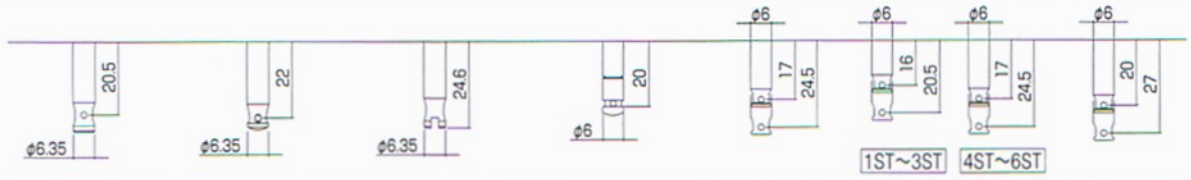
SES510
SES510MG
SES510H.A.P



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



String post dimension	SE510 STANDARD	SE510M/510W STANDARD	SES510 STANDARD	MG	SE510 HAP	SES510 HAP	HAPA
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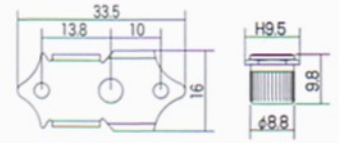
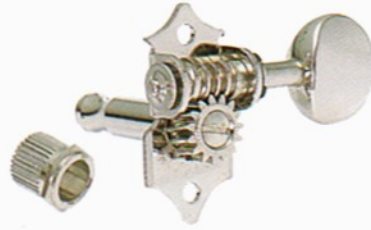


SE700

SE700
SE700MG



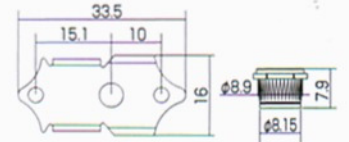
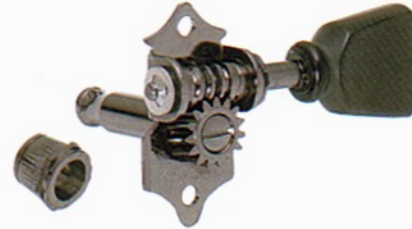
Finishes N.C.GG.CK.XN.XC.XG
Gear ratio 1:15
e.g. SE700-06M
SE700-SL MG



SE770



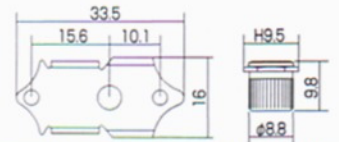
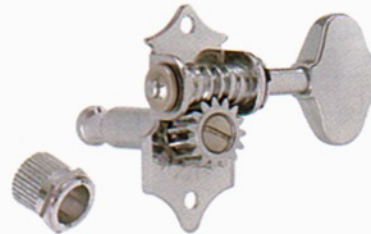
Finishes N.C.GG.CK.XN.XC.XG
Gear ratio 1:15
e.g. SE770-05M
SE770-M5



SE780



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

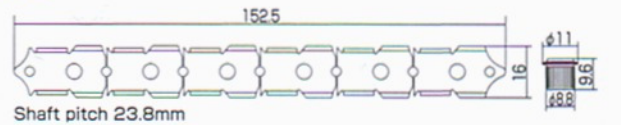


SE701

SE701
SE701MG



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



String post dimension	SE700 STANDARD	SE770/780 STANDARD	SE701 STANDARD	SE700/701MG

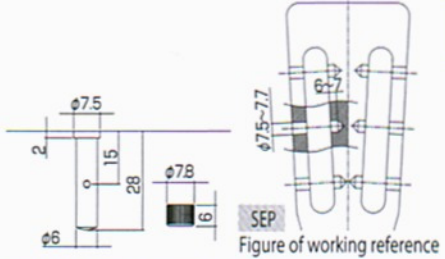
SE-510/SE Series BUTTON OPTION

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



for Slotted Head

SEP700
SEP770
SEP780



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



J-700P

SD-510 Series

※Self-center guide Pat.P

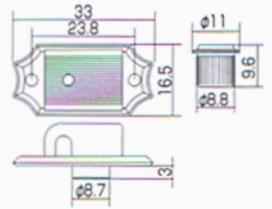
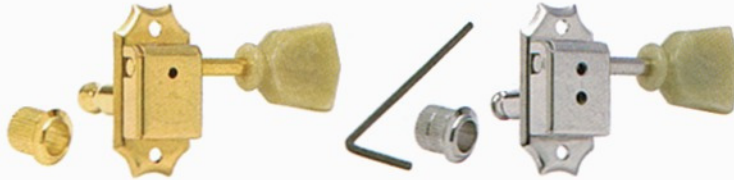
SD510



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



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



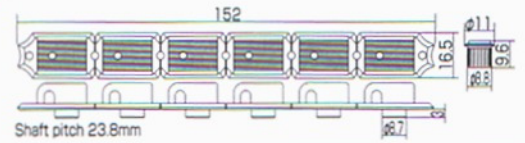
SDS510



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



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



String post dimension	SD510 STANDARD	SDS510 STANDARD	MG	SD510 HAP	SDS510 HAP	HAPA	SD510 HAPM	SDS510 HAPM
	φ6.35	φ6.35	φ6	φ6	φ6	φ6	φ6	φ6
	19.5	24.6	20	17 24.5	16 20.5 17 24.5	20 27	18.5 22	17 20.5 18.5 22
					1ST~3ST 4ST~6ST			1ST~3ST 4ST~6ST

SD Series

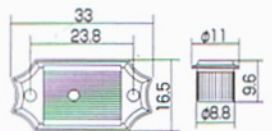
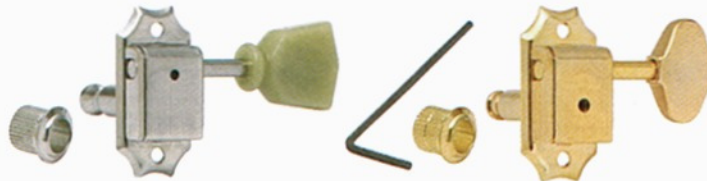
SD90



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



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



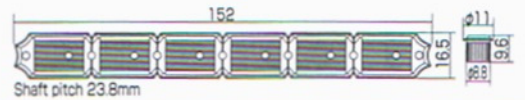
SD91



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



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



String post dimension	SD90 STANDARD	SD91 STANDARD	MG	SD90 HAP	SD91 HAP	HAPA	SD90 HAPM	SD91 HAPM
	φ6.35	φ6.35	φ6	φ6	φ6	φ6	φ6	φ6
	19.5	24.6	20	17 24.5	16 20.5 17 24.5	20 27	18 21.5	16.5 20 18 21.5
					1ST~3ST 4ST~6ST			1ST~3ST 4ST~6ST

SD-510/SD Series BUTTON OPTION

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



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

Two-way Truss Rod PAT.P

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



Arms



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