



GILLO GY Riser- Users Manual



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CONGRATULATIONS FOR PURCHASING A “GILLO Gold Medal” GY RISER!

General Remarks

“GILLO Gold Medal” GY risers are designed and assembled in Italy and are made by aeronautic grade materials and parts.

Risers are in aluminum “Anticorodal” 6061 T6 and are machined by very advanced milling machines with computerized control from solid bars of aluminum or from pre-formed forged to shape bars. Pre-charges bolts are made by Stainless Steel inside an Aluminum anodized shell. Grips are made by Plastic 3D printed or molded. All screws and grub screws are in Stainless Steel or Brass.

All aluminum parts are anodized in depth in order to grant maximum resistance to corrosion, abrasion and to grant stability of the color under sunlight.

The product you have purchased has been designed and produced in a way to grant you an almost unlimited life of its basic structure.

Please follow the easy instructions below for use and maintenance of your “GILLO Gold Medal” GY riser and you will be in a position to appreciate its extraordinary features for very long time.

Information herein are anyhow intended as manufacturer’s best at the time of the printing and can change without notice.

Condition of the riser at the delivery

Risers are polished by hand and sandblasted before anodizing, therefore small discontinuities on their surfaces may happen and have not to be considered as defects.

Risers are assembled and aligned manually one by one, in order to grant their perfect linearity. If you will use straight limbs with them, there should be no reason to change the factory set alignment.

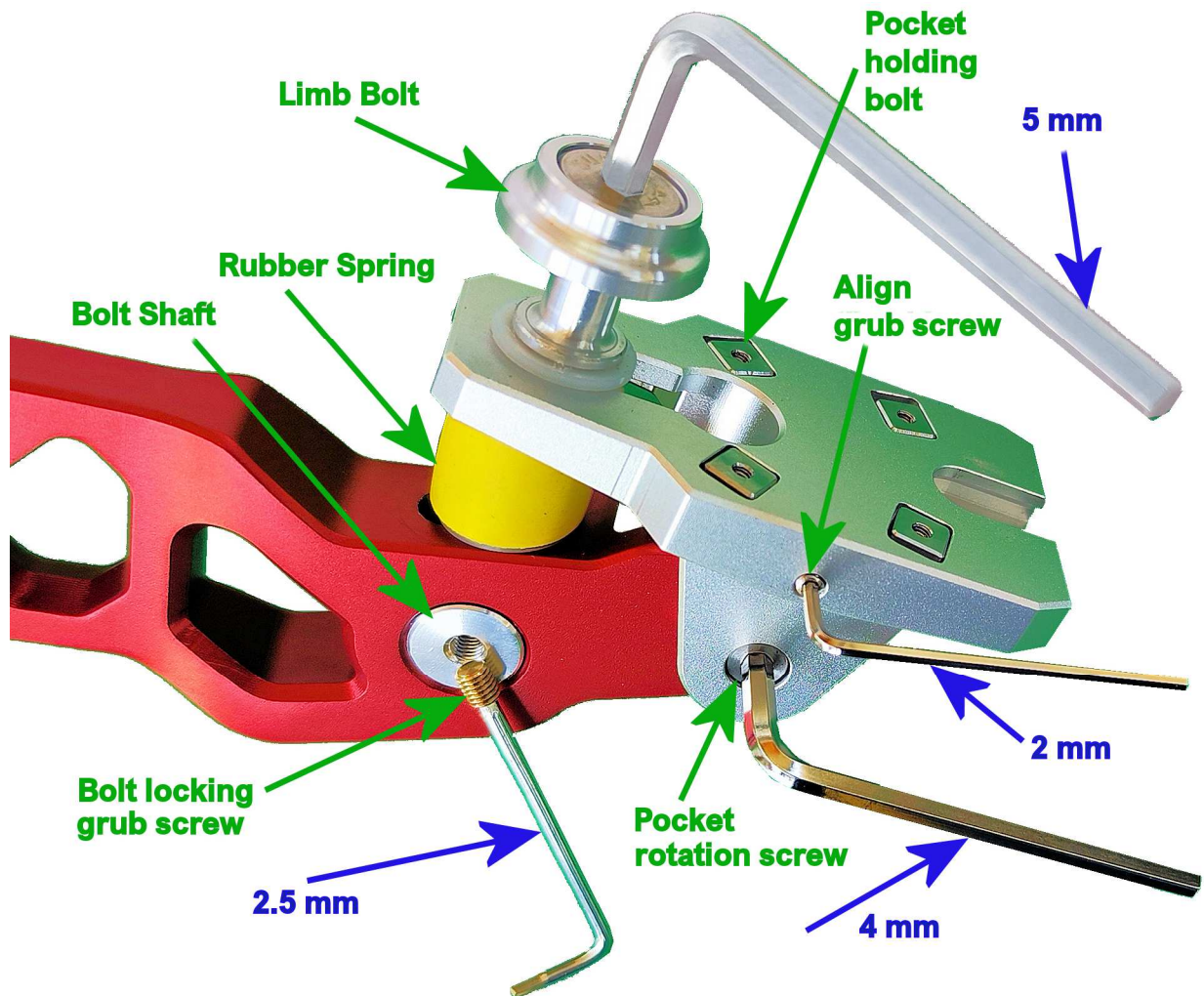


Pockets of the limbs are set at factory at minimum poundage position. +9 turns of the bolts will move the pockets to the neutral position corresponding to 15% angle of their upper surface and -3 turns from maximum poundage. (total excursion, +12 turns in full safety).

Loosen limbs precharges to less than limit set at delivery is considered violation of the warranty and may generate risk of breakage of the related parts and risk of injury for the user.

Two pieces of M5 x 6 mm Brass locking grub screws are provided inside the accessory bag and should be used for locking the limbs bolts after adjustment (one for each bolt).

Tools and adjustments – Accessories kit



Tools and accessories provided in the accessories bag are as follow:

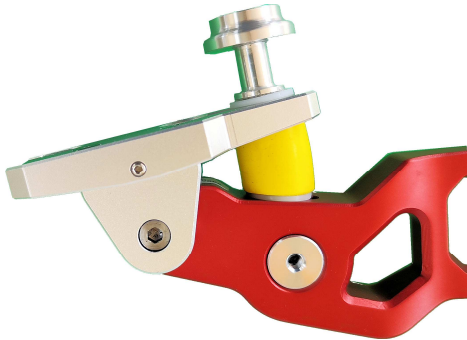
- 1 x 2.0 mm Allen wrench
- 1 x 2.5 mm Allen wrench
- 1 x 4 mm Allen wrench
- 1 x 5 mm Allen wrench
- 2 x M5x6 Brass Bolt Locking grub screw
- 1 x M4x 6 screw for cliker
- 1 x Long Cliker plate
- 1 x M3 x 12 spare Pocket Holding screw
- 1 x M3 spare Pocket Holding Bolt



GILLO GY Riser- Users Manual

Floating Limbs Pockets

“GILLO Gold Medal” GY risers pockets are made in a way to tilt rotating close to the top of the riser by an internal lubricated transversal shaft. Amount of rotation is controlled by the limbs bolts that are connected internally to the riser by another lubricated rotating transversal shaft.

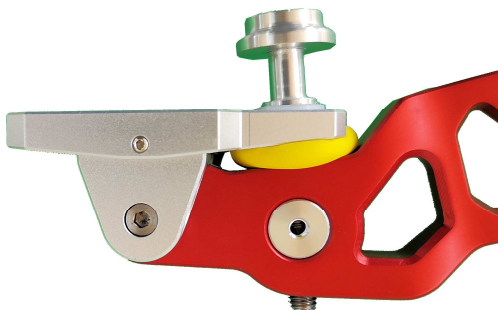


Operating the pre-charges of the limbs does not change the angle of the limb to the bolt and to the pocket as well, as both remain constant, but allows tilting of the entire pocket of the limb that is kept in position by a special Neoprene rubber spring.

This system allows an unprecedented range of poundage adjustment using the same pair of limbs, as they tilt together with the pockets were they are inserted.

Average total range of adjustment for poundage is:

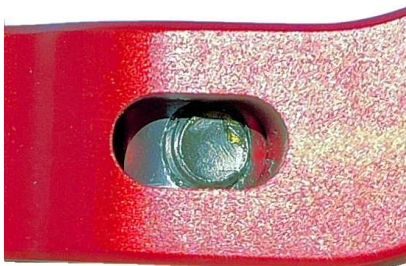
+ 3 to -9 full turns of the limb bolt from neutral position, corresponding approximately to >40% total variation in poundage from minimum to maximum.



To operate the floating pockets, remove the side Brass grub screws of the bolt transversal shaft and operate the precharge by using the 5mm Allen wrench provided, until you reach the desired poundage and /or tiller, then lock again the side grub screws. Precharge bolts can be operated with bow loaded for very small adjustment only. When doing large adjustment, remove limbs first as you should manually help the Neoprene rubber spring under the pocket to recover to

less or more compress status, as well as to position properly limbs bolt and entire floating pocket to the new angle.

Safe



Warning!

Unloading safety limit can be checked looking inside the bottom bolt hole. Minimum is reached when you still can see the bolt shaft outside the pocket shaft in the hole.

To remove the bolts, just untighten the side grub screws first.

Limbs bolts threads are lubricated at their threaded ends by a Lithium based grease and this is very important to avoid problems during tightening and untightening the bolts. If you replace one bolt with a new one, don't forget to add a bit of Lithium or similar lubricant grease on the threads before starting to screw in the new bolt.

Manufacturer shall not be considered liable for any damage or injury coming from improper operation of the precharges system.

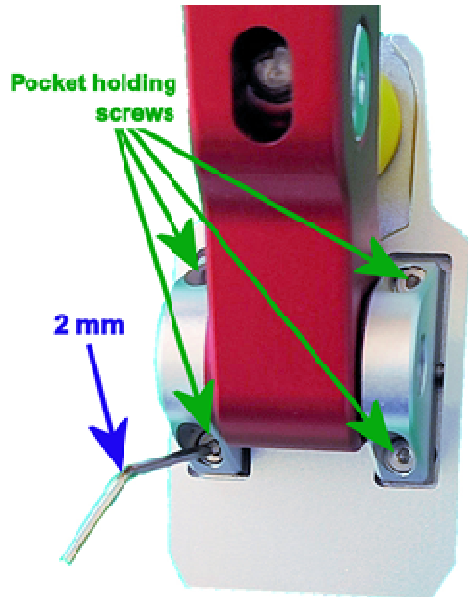
Operation of the alignment system

Limbs alignment system is preset at factory level with maximum possible precision and grants the assembly of the limbs perfectly on the riser axis.

Small linearity defects of limbs or risers themselves may request to operate the alignment system.

To this purpose, operate as follow:

- 1) Slightly loose the 4 x pocket holding screws from the bottom of each pocket, using the 2 mm wrench provided.



- 2) Assemble the bow with the full stabilizing system or at minimum with a straight long rod.
- 3) Insert just over the limbs (archer's side) minimum one pair of Beiter limbs alignment tools or mark with a water ink pen a minimum of one references on the center of each limb close to the riser.
- 4) Looking to the axis made by the string, the center of the limbs, the center of the precharges back locking screw and the center of the long rod, tune by the alignment grub screws, remembering that:
 - A) Tightening clockwise the right upper grub screw (seen from archer's side) the tip of the upper limb moves to the right.
 - B) Tightening clockwise the right lower grub screw (seen from archer's side) the tip of the lower limb moves to the right too.
- 5) Operate right and left grub screws until you will get the position of the string, on the center of the limbs and on a line on the axis of the long rod.
- 6) When optimal alignment is reached, tighten the grub screw on the opposite side of the one operated last on that limb. Some not permanent thread locker on align grub screws will grant them to stay on place during use, and tighten the 4 pocket holding screws.
- 7) Unbrace the bow, remove the limbs and tighten definitely the 4 pocket holding screws to lock the pocket plate.

In case it will be impossible to reach an acceptable alignment, specifically in presence of limbs not straight or, even worse, twisted, we suggest to you to renounce to their use and replace them, as the riser alignment system can only correct small normal imperfection of the limbs straightness.

Warning!

Vibrations during use may unlock the side align grub screws and the bottom 4 pocket holding screws, if not locked with thread locker. Check them time by time.

Pocket system maintenance and replacement

Pocket system is carefully assembled at factory level to grant minimum play of its parts. Therefore, disassembling in total by the way of removing side rotating screws should only be done by an authorized GT/GX/GY risers serving center as otherwise it voids Warranty of the riser.

Only maintenance required by user is to check time by time that side screws are tighten and not lose because of vibrations during use.

In case there is a perceivable movement of the pocket left to right or right to left, it means that the side special rotation screws need to be tightened, and this must be done after loosing a bit the bottom 4 x 4 mm screws. Then align process has to be repeated.

GY Pockets are not compatible to pockets of GT and GX risers.

Warning !

Any replacement of the pockets must be done by an authorized GILLO GT/GX/GY Service Center only, which will release to owner a Repair Certificate to be used for warranty claims.



GILLO GY Riser- Users Manual

Replacement of the grip

GY risers are supplied with a G03-YG Medium grip as standard. Grips of different shape or/and materials are available as spare parts and all G1 and G3 families of grips can be used. Riser can also accept the special "GILLO Ball Grips" available also as spare part. To remove the grip or the side plates, simply remove the two side M4 screws by the 2.5 mm wrench provided.

Clicker plates

GY risers are supplied with a standard short clicker plate assembled on it, while a long version is also provided in the accessories bag. To replace the standard clicker plate with the long one, simply remove the M4 screw locking it by using the 2.5 mm wrench provided. Clicker plates in anodized Aluminium or plastic of different colors and lengths are available as spare parts.

Optional Bare Bow disk Weights and other accessories

Several accessories designed for other GILLO risers can fit the lower round hole of the GY riser, by the use of longer screws than standard ones.

Example below is made by G05-DK2 kit assembled with M6 x 25 mm optional screw



Warning !

Assembling an optional Bare Bow weight or V-Bar kit over the riser may generate scratches on riser surface !



GILLO GY Riser- Users Manual

Suggested brace heights

Brace height is depending from both riser and limbs geometries. Following brace heights values have to be considered when using GILLO Gold Medal GY Riser with GYL special curved limbs, only.

GY-24 ILF + GYL 66-24 Limbs / GY Bow 65"-25# nominal
At Delivery -----> 8 1/4" (Minimum setting)
+ 9 Turn of Bolts ----> 7 1/2" (Nominal setting)
+12 turns total -----> 7" (Maximum setting)



As a rule of thumb, using different limbs, ever adjust the brace until you can still see at least 1.5 to 2 cm of the groove under the string in the area close to the tips.

Bow string length may need to be changed when operating limbs at the extremes allowed by the Floating Pockets system, if you are not using the GY dedicated strings with the GYL limbs, and this will also effect the Brace height you will get. Experimenting is the only way to sort out the best compromise in bracing between floating pockets position, your limbs and the length of the string you are using

Disclaimers:

GY riser is designed to be used with poundage on finger of **no more than 32 pounds** in continuous use. Using this riser continuously over that limit voids the warranty and manufacturer shall not be liable for any damage or injury happening to user.

Useful resources

- Register on Facebook to "GILLO Gold Medal Users Group" to get help from the community of the GILLO products owners
- Download the latest versions this Manual in English and other languages from our website at www.gilloarchery.it



GILLO GY Riser- Users Manual

WARRANTY CONDITIONS

“**GILLO Gold Medal**” risers are warranted against manufacturing defects for 12 months from the date of the purchase.

The manufacturer reserves the right to repair defective risers or to replace them with equivalent models for features and conditions of use.

Warranty conditions are applicable to products returned by the way of the original reseller or distributor to API – Archery Productions SRL – Via Varese, 76E – Gallarate – VA – Italy .

Cosmetic and surface finishing defects are excluded from the warranty and can be argued directly to the dealer at the moment of the purchase, only.

“**GILLO Gold Medal**” GY risers are warranted for 3 years against any failure of the central structure of the riser, provided that it is not coming from improper use of the product, like using it at more than 32# on fingers. The warranty for structural defects applies on Pro-Rata base after first year of 100% warranty is expired and for the structure (riser) part only.

This Instruction manual is also the Warranty certificate of the riser and shall be to API – Archery Productions SRL for any request of repair, maintenance or replacement.

Warranty certificate can only be valid in presence of a fiscal proof of the purchase stating its date (invoice or purchasing receipt) and Dealer name and location, as well as Serial Number of riser

Model: _____ Serial Number _____

Part of a GY Bow Kit ? YES ☐ NO ☐

Date of purchase: _____

Location: _____

Dealer's Stamp



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API – Archery Productions Italy SRL

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