



**GILLO GX Risers- Users Manual**

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**#GILLOChanginGXheGame**

**GX**

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## GILLO GX Risers- Users Manual

# CONGRATULATIONS FOR PURCHASING A “GILLO Gold Medal” GX RISER!

### General Remarks

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

Risers are in aluminum “Anticorodal” 6061 T6 or 6082 T6 alloy and are machined by very advanced milling machines with computerized control directly from solid bars of aluminum strictly checked to grant the uniformity of the alignment of their fibers. Pre charges bolts are made by Stainless Steel inside an Aluminum anodized shell, and limbs alignment system inner plates are made by “Ergal” 7075 Aluminum. 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” GX 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.

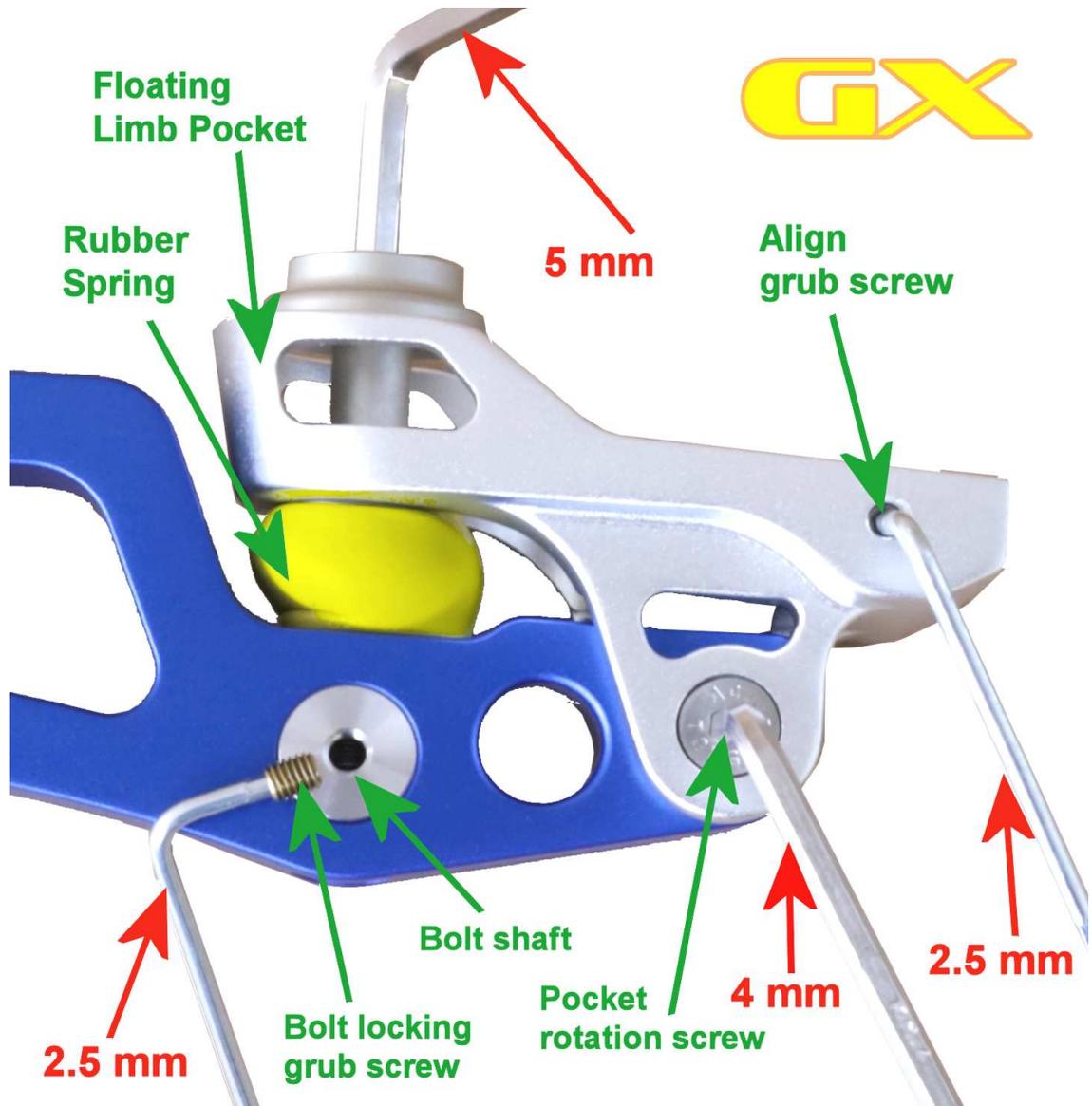
Pockets of the limbs are set at factory at neutral position corresponding to 15% angle of their internal surface and -4 turns from maximum poundage. You can unload the precharges bolts of five full turns in order to adjust tiller or to lower poundage (total excursion, +4 to - 5 turns in full safety).

Loosen limbs precharges to less than above limit 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:

- 2 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
- 4 x M4 x 8 screws for Bare Bow weights
- 1 x Long cliker plate



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### Floating Limbs Pockets

“GILLO Gold Medal” GX 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:

+ 4 to -5 full turns of the limb bolt, corresponding approximately to >30% total variation in poundage from minimum to maximum.



To operate the floating pockets, remove the side Brass grub screws of the bolt transversal shaft, loose a bit the pockets rotation screws on both sides by the 4 mm Allen wrench provided 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**



**Unsafe!**



**Warning!**

Unloading safety limit can be checked looking inside the transversal bolt shaft. Minimum is reached when you still can see the hole closed totally by the limb bolt.

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.**

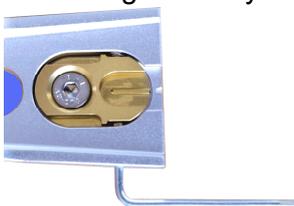
### Operation of the alignment system

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 M6 inner screw in each pocket, using the 4 mm wrench provided. 1/8<sup>th</sup> of turn is suggested





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- 2) Remove the 2 x 5mm side locking grub screws using the 2.5 mm wrench provided
- 3) Assemble the bow with the full stabilizing system or at minimum with a straight long rod.
- 4) 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. Marks on back of the extremities of the risers can be used, too.
- 5) Loosen with 2.5 mm Allen wrenches provided, the two external locking grub screws of the upper and lower alignment systems.
- 6) 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 left.
  - B) Tightening clockwise the right lower grub screw (seen from archer's side) the tip of the lower limb moves to the left too.
- 7) 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.
- 8) When optimal alignment is reached, tighten the grub screw on the opposite side of the one operated last on that limb, and insert and tighten the two additional 5 mm locking grub screws. Some not permanent thread locker on external grub screws will grant them to stay on place during use
- 9) Unbrace the bow, remove the limbs and tighten 6mm screw inside the pockets to lock the alignment 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!**

**Tightening too much the side grub screws may bring to difficulty in inserting and removing the limbs from the dovetails in the pockets.**

**Vibrations during use may unlock the side grub 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 risers serving center as otherwise it voids Warranty of the riser.

Only maintenance required by user is to check time by time that said 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 plastic washers under it need replacement, and this shall be done by a certified GILLO GT/GX risers Service Center only.

Pockets are fully compatible to any GT Pockets and can also be replaced by GT Formula pockets to transform any GX riser from ILF version to Formula version, noting that changing from GX ILF pockets to GT Formula pockets adds approx. 2.5" length to riser length.



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### **Warning !**

Any transformation from ILF to Formula and from Formula to ILF or any replacement of the pockets must be done by an authorized GILLO GT/GX Service Center only, which will release to owner a Transformation Certificate to be used for warranty claims.

### **Replacement of the grip**

Risers are supplied with a G03-YG Medium grip as standard. Grips of different shape or/and materials are available as spare parts and also all G1 family 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**

GX 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 Aluminum or plastic of different colors and lengths are available as spare parts.

### **Optional GVB-K03 V-Bar kit and Bare Bow Weights**

Several dedicated accessories are available for the GX risers. Among them, the GVB-K03 V-bar kit that can fit any of the 3 lower positions for accessories and the G04-BW-04 and -03 Bare Bow weights. Check with your dealer what kind of GILLO original accessories are more suitable to your style of shooting



### **Warning !**

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

If the optional cover does not slide on easily over the riser, do not force it but ask your dealer for replacement.



### **Warning !**

Assembling Heavy weight Bare Bow covers using M4 screws only is not suggested as the M4 threaded holes can't support them properly.



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### Optional disks weight



GILLO risers can mount several different type of optional disk weights in the round bottom compartments. Optional round weights can be used for different purpose from purely adding weight to the bottom part of the riser, up to alter torsional reaction of the riser adding Steel or Tungsten disk weights on one side and Aluminium disk weights on the other side (GT, GX, GQ and G2 risers)

### Suggested brace heights

Brace height is depending from both riser and limbs geometries. Therefore, following brace heights ranges are to be considered when using GILLO Gold Medal GX Riser with standard curved limbs, only, and refer to pocket angles at factory set (15°), only

GX-25 ILF	
- 66" bow (short limbs)	-----> 7 1/2" to 8 1/4"
- 68" bow (medium limbs)	---> 8 " to 8 3/4"
- 70" bow (long limbs)	-----> 8 1/2 " to 9 1/4"

As a rule of thumb, 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, 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:

- GX riser is designed to be used with poundage on finger of no more than 42 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.
- Dedicated GILLO Bare Bow weights suspended to the 4 x M4 tapped holes only, should not be heavier than 700 g. Using heavier weights voids the warranty of the riser

### 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](http://www.gilloarchery.it)



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### 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 Italy 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**” GX 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 42# on fingers or with more than 700 g Bare Bow weights suspended to tapped M4 only holes 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 presented to **API – Archery productions Italy 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 the Serial Number of the riser

Model: \_\_\_\_\_ Serial Number \_\_\_\_\_

Date of purchase: \_\_\_\_\_

Location: \_\_\_\_\_

Dealer's Stamp



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**API – Archery productions Italy SRL**

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