



GILLO GT Risers- User's Manual



#GILLOChangingTheGame



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CONGRATULATIONS FOR PURCHASING A "GILLO Gold Medal" GT RISER!

General Remarks

"GILLO Gold Medal" GT 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 up to GT 29, and in "Ergal" 7075 Aluminum for GT 31, 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 or Brass (for Hunting Models). Grips are made by hard wood. 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.

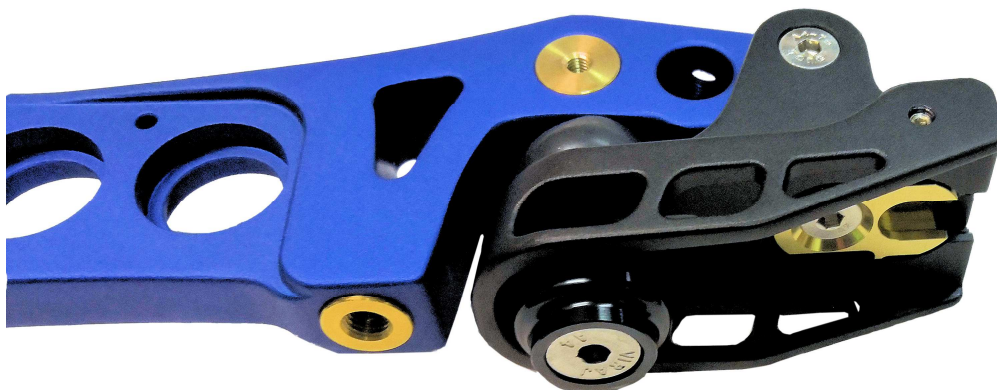
Please follow the easy instructions below for use and maintenance of your "GILLO Gold Medal" GT riser and you will be in a position to appreciate its extraordinary features for very long time.

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 to shiny surface 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.



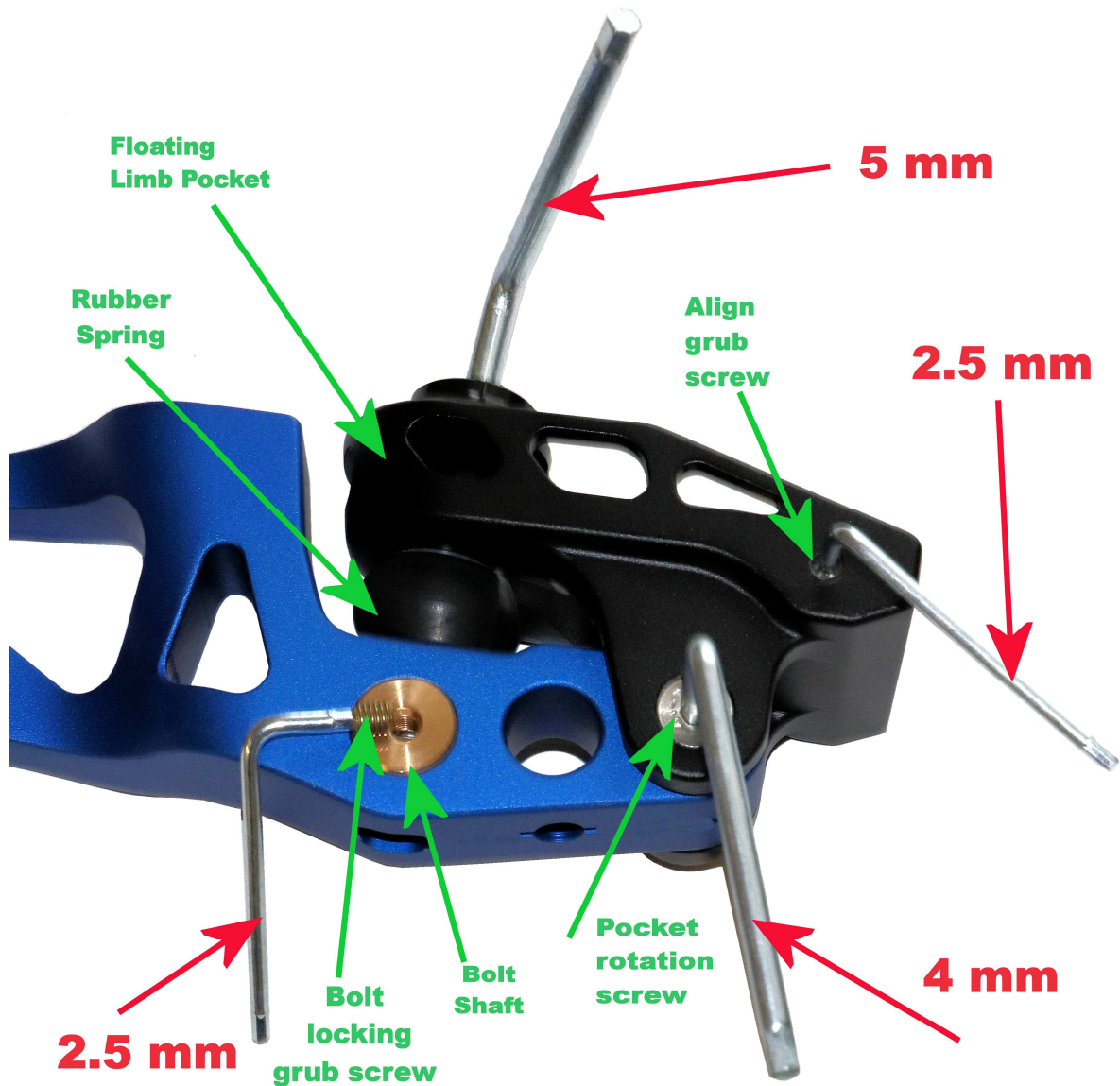
Pockets of the limbs are set at factory at neutral position corresponding to 15% angle of their internal surface and -4 turns from maximum poundage. You can unload the

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 then 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 (provided in the accessory bag)
- 1 x M4x 6 screw for cliker
- 4 x M4 x 8 screws for Bare Bow weights
- 1 x Long cliker plate
- 1x G04-WH-01-K weight holding shafts kit (GT-29 and GT-31-ILF only)



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Floating Limbs Pockets

"GILLO Gold Medal" GT 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.



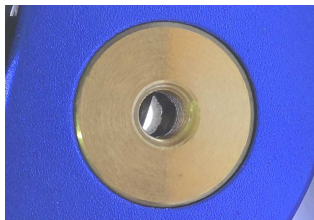
To operate the floating pockets, remove the side Brass grub screws of the bolt transversal shaft, loose a bit the pockets rotation screws on both sides by the 4 mm Allen wrench provided and operate the precharge by using the 5mm Allen wrench provided, until you reach the desired poundage and /or tiller, then lock again the pocket rotation screws and 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.

Warning

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. 1/8th 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 gages 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 visually slightly to the right (Right Hand risers) from the axis of the long rod. This because long rod bushing of GT risers is 1 mm off from center line for better stabilization by 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 and to fine align the pockets themselves each other. Therefore, disassembling in total by the way of removing side rotating screws should only be done by an authorized GT riser serving center as 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 riser Service Center only.

Pockets may be replaced to transform any GT riser from ILF version to Formula version, noting that changing from ILF pockets to Formula pockets adds approx 2.5" length to riser and changing Formula pockets to ILF pockets shortens by approx. 2.5" the riser.

Neoprene springs compressed to the maximum for long time may need to be replaced if you want to get back using the system at minimum level



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Possible transformations of GT risers are the following:

ILF Pockets	Formula pockets
GT-31-ILF	not suggested
GT-29-ILF	not suggested
GT-27-ILF	not suggested
GT-25-ILF	GT-27 Formula
GT-23-ILF	GT-25 Formula
GT-21-ILF	GT-23 Formula
GT-19-ILF	GT-21 Formula

Warning !

Any transformation from ILF to Formula and from Formula to ILF must be done by an authorized GILLO GT Service Center only, which will release to owner a Transformation Certificate to be used for warranty claims.

Transforming GT-27 ILF riser to 29" Formula, GT-29 ILF riser to 31" Formula and GT-31 ILF riser to 33" Formula will in any case void the warranty of the riser

Replacement of the grip

Risers are supplied with a Medium grip as standard. Grips of different shape or/and materials are available as spare parts. 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

GT 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 plastic of different colors, materials and lengths are available as spare parts.

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

Several dedicated accessories are available for the GT 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.



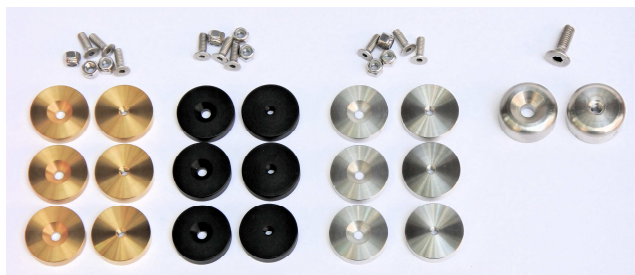
Warning !

Assembling Heavy weight Bare Bow covers using upper holes of GT-29 and GT-31 ILF by M4 screws only is not suggested as the M4 threaded holes can't support them properly. Use the special accessories provided in the accessory bag of these models only.



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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, 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 GT Riser with standard curved limbs, only, and refer to pocket angles at factory set (15°), only

GT-25 ILF - 66" bow (short limbs) -----> 7 3/4" to 8 1/2" - 68" bow (medium limbs) ---> 8 1/4" to 9" - 70" bow (long limbs) -----> 8 3/4 " to 9 1/2"	GT-27 Formula - 68" bow (short limbs) -----> 8 1/4" to 9"- - 70" bow (medium limbs) ---> 8 3/4 " to 9 1/2 - 72" bow (long limbs) -----> 9 1/4" to 10
GT-27 ILF - 68" bow (short limbs) -----> 7 3/4" to 8 1/2" - 70" bow (medium limbs) ---> 8 1/4" to 9 - 72" bow (long limbs) -----> 8 3/4 " to 9 1/2"	GT-29 ILF - 70" bow (short limbs) -----> 7 3/4" to 8 1/2" - 72" bow (medium limbs) ---> 8 1/4" to 9 - 74" bow (long limbs) -----> 8 3/4 " to 9 1/2"

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.

Deflex distance (pockets extremities line to grip pivot point) is 35 mm for GT 25-27-29-31 ILF risers (while G1, G2 and GQ risers have 40 mm distance), therefore basic brace distance does not change among different lengths of GT ILF risers from 25" to 31"

Brace height may vary out of above indicative ranges if using super curved limbs or Long Bow type limbs.

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 use

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



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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 76 E – 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**” GT 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. 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 MICAF 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 _____

Date of purchase: _____

Location: _____

Dealer's Stamp



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API – Archery productions Italy SRL

Via Varese 76E

21013 GALLARATE VA - ITALY

Tel. +39- 0331- 1527056 - Fax +39- 0331- 15813063

e-mail: info@gilloarchery.it

<http://www.gillogoldmedal.it>



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