



*Market Leader In Accuracy*

**Welcome to Huma-Air. We design and manufacture brand- and model specific precision regulators and accessories for PCP air rifles.**

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By using only the highest quality materials such as aircraft grade aluminum, aluminum-bronze, chrome-moly steel and precision belleville springs, our ultra-compact regulators and accessories are high performing.

**[Extended Scope Rail With Barrel Stiffener And Tensioner Kit For FX Impact by Huma-Air installation guide](#)**

For adjustment tips, frequently asked questions and a complete list of installation manuals and instructions on how to adjust your Huma-Air regulator

**<https://www.huma-air.com/Fitting-instructions>**



Or go there directly by scanning the QR code

**Before you start, realize this:**

- Working on a high pressure rifle could potentially be harmful or lethal to you or bystanders if you do not know what you are doing.
- The pictures of the rifle parts in this manual are universal and meant as an example to explain the working principle. They might not be equal to the parts in your rifle.
- Do not attempt to install this item if you are not skilled to work on an air rifle; contact your local gunsmith to do the fitting.
- Installation and operation is done completely at your own risk.
- Installing this item might void your rifle's factory warranty.
- Do not attempt to fit this regulator in another rifle as mentioned in our order conformation.
- We cannot be held liable for any accidents in relation to this item and its installation.

**Before you start, make sure that the rifle is unloaded, remove the magazine and make absolutely sure no pellet is still present in the barrel.**



**If during the fitting process you are unsure about something please contact HuMa-Air prior to proceeding.**

Before you start, we would like to advice you to read this complete manual before starting the installation.

## Installing the Extended Scope Rail With Barrel Stiffener And Tensioner Kit For FX Impact by Huma-Air

First start of by installing the clamping bracket to the rail, using the 6x supplied M3x12 screws. Use a 2,5mm hex key for this. Use some grease on the threads. We like ceramic grease for this, but some black moly grease will work equally well



Be sure you leave enough room for the FX STX barrel to pass the hole in the clamp.



Now take your impact and unscrew the existing top rail, using a 2,5mm and a 4mm hex key, after this unscrew the shroud from the rifle.



Now take our extended rail to which you have just mounted the clamp and slide it over the barrel. Take care to align it to the impact guiding plate of the action.



Once properly aligned you should be able to slide it home easily. Then using the supplied M3x30 and M5x25 screws, secure the extended rail to the impact guiding plate. For this use a 2,5mm and a 4mm hex key. No need to torque them down hard yet as it will be removed later on.



Now slide the carbon sleeve over the barrel.



Push it into the clamp until it is fully seated.



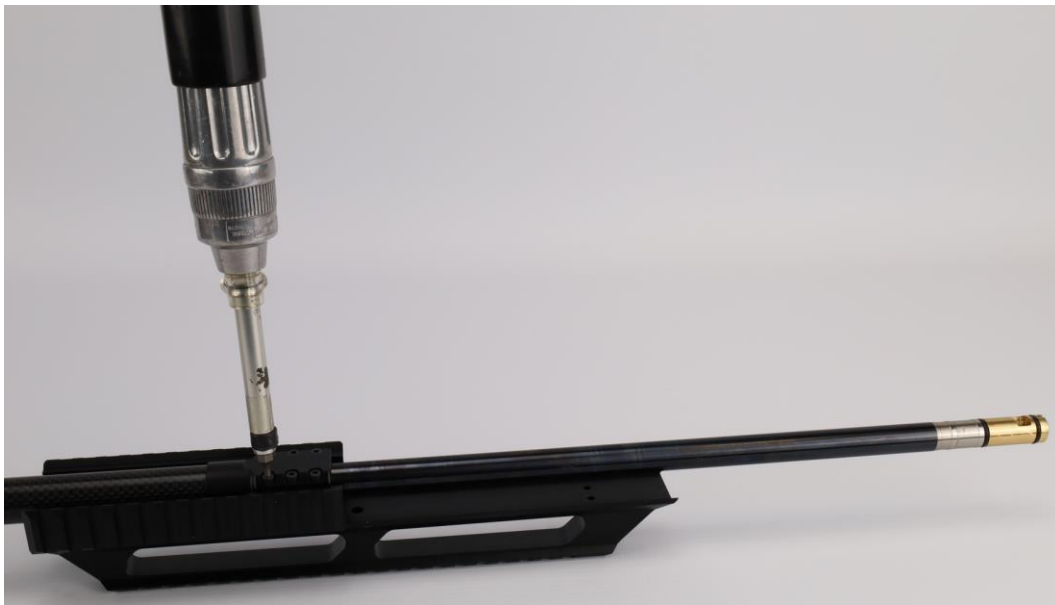
Turn your impact upside down so you have access to the 6 clamping screws. Using the balled hex key 2,5mm secure the 6 screws to get a secure grip on the FX STX barrel. Be sure to get an equal gap on each side of the clamp plate. Now unscrew the barrel securing grub screw from the rear action block using a 4mm hex key



Now unscrew the barrel securing grub screw from the rear action block using a 4mm hex key and unscrew the 3 screws from the rail again. After this is done the complete assembly of rail and barrel can be pulled out to the front.



Now use a torque wrench to set the 6x M3 screws to the right torque. Torque on the 6x M3 screws should be between 1.75-2Nm ( $\pm 15-17.5$  Inch.lbs). As you can see here the barrel and rail will form a rigid assembly. If you have barrels and scopes to spare, you can also pair a scope to your barrel rail assembly for the least amount of sight in required.



Now the complete assembly is slid back and the 3 top screws as well as the barrel securing screw in the rear action block needs to be tightened.





Now it its time to mount the tensioner endpiece. These are available in either 1/2UNF male-female, or in M18x1-M13x0,5 Male female for the .35 barrel kits. Again use some anti seize on the muzzle thread.



Screw home the tensioner endpiece. Wrap a piece of paper around the flats (to preserve the finish) and using an adjustable wrench set to the tension of your liking (be sure the jaws set for a good fit).

Please note that the tension that works best needs to be determined for you setup.



Possible issues you might encounter with assembling the kit are mostly related to the carbon fiber, although we strive to have the carbon sleeve produced as close to spec as possible. Due to the resin coating involved in producing these and tolerances on the FX STX barrel it could be that the carbon needs to be sanded ever so slightly.

Although all carbon sleeved have been checked here with a FX STX barrel for fitment, it could be that your barrel is relatively larger in size to the one we have. You can sand the inner part of the tube using a 8mm wood rod that you slit to secure a piece of sandpaper to. In the slit you can slide a piece of 180 grit sandpaper. Insert this in the carbon tube and in longitudinal strokes carefully open up the bore ever so slightly. When the outside needs to be sanded be sure to mask the carbon tube where it is in plain sight. So you only sand what is inside the clamp plate or the tensioner piece.

Note that you wear a dustmasks when sanding. And clean in between fitting tries.