

## **Forearm blocks with felt sides**

**Over the last 2 years I have been testing a new set of vertical blocks for my 5-Axis top. I have also sent several sets to top F-Class and rim fire competitors for testing and evaluation. These are folks we see winning at the national level. In Fact, the 2022 V2 F-Class competition was shot by two gentlemen using my T-Rex rests topped with these new felt lined blocks. They finished 1<sup>st</sup> and 2<sup>nd</sup>.**

**Not only will I be competing with these new blocks but everyone who has shot the felt version have verified my findings. The felt lined blocks are a direct replacement for those who have my roller blocks on a 5-Axis top.**

**Here is what makes this setup better in my opinion:**

### **The Problem**

**Because forearms are not perfectly parallel front to back, the rearward movement under recoil can change and create a tight spot. Because of this I can't set rollers in hard contact with my forearm. This issue creates the need to allow a small initial gap between the rollers and the forearm. Although this gap is normally very small it allows for a small bit of rotational movement from torque under recoil. Another issue is the vertical sides on stocks are rarely, if ever perfectly plumb or parallel from top to bottom and this creates another point contact situation with the rollers. Again, this situation allows the stock to roll under the torque of recoil.**

**Although my rollers are made on a CNC lathe, they still have a very small amount of runout. With 4 rollers there is potential for a compound of errors that I have wanted to control.**

### **The Solution**

**With my 95% wool fiber content felt pads (rather firm 35 durometer) I can actually start with positive contact on my forearm, and even use a bit of compression with the felt blocks. This allows for any tight spot, caused by clear coat thickness or a non-parallel forearm, to just compress the felt a bit as the stock slides back under recoil. This helps hold the rotational torque to a**

**minimum while still allowing smooth, consistent tracking of the gun under recoil.**

**The felt pads have adhesive on one side and are easy to replace if needed. Also, even under a compressed condition the felt generates low friction while maintaining consistent tracking.**

**For stocks that have parallel sides that are dimensionally correct the rollers are still a very good, low friction solution.**

**Our felt lined blocks are offered as an option for those who want to test a new way to control stock movement under recoil.**