

Procedure for Adjusting True-Tension Stringing Machine String Clamps:

(Updated 01-01-12)

1. Have a True-Tension Stringing Machine available to pull string tension with the TTSM String Clamp to be adjusted.
2. Clean the inside surfaces of the TTSM String Clamp fingers that touch the strings to remove all oils, grease, graphite, or wax using Acetone.

CAUTION: *Acetone and Acetone Vapors are extremely flammable and explosive! Do not use Acetone without adequate ventilation, near an open flame, near running electric motors or other sources of ignition, without eye protection, or without approved protective gloves! Do not breathe the Acetone vapors! Follow all instructions, warnings, and cautions on the Acetone container.*

NOTE: If the buildup of wax on the fingers of the TTSM String Clamp is overly heavy you might have to use a light abrasive non-metallic scouring pad such as Scotch-Brite to cut the wax. Check that the TTSM String Clamp is properly assembled and lubricated before adjusting the TTSM String Clamp. Do not allow any cleaning fluids to enter lubricated areas.

3. Put the TTSM String Clamp on a TTSM Glide Bar and rotate it so you can see the two set screws (#6) on the bottom of the TTSM String Clamp. Set these screws using a 3/32" Allen Wrench so that when you slide the open TTSM String Clamp back and forth on the TTSM Glide Bar it does not hang up and glides smooth.

4. Set the Cam Handle Stop Screw (#4) adjustment by loosening the Cam Handle Stop Screw Hex Nut (#5) using a 3/8" Open End or Box Wrench. Then use a 3/32" Allen Wrench and adjust the Cam Handle Stop Screw (#4) so that the Cam Handle (#2) sets just a little closer than parallel to the Clamp itself (over-center) and then re-tighten the Cam Handle Stop Screw Locking Nut (5). Do not over tighten this nut!

5. Close the TTSM String Clamp using the Cam Handle (#2) and then tighten the Cam Assembly Set Screw (#3) on the back of the Cam Handle using a 1/8" Allen Wrench until the two sides of the TTSM String Clamp just touch at the clamp fingers.

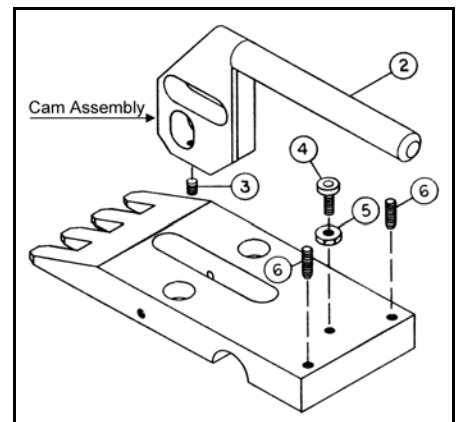
6. Thread a piece of tennis string of the gauge you normally use from the TTSM String Clamp being adjusted to the Tensioning Assembly.

7. Set the tension at least 10 to 15 pounds higher than the highest tension you normally string with and pull that tension on the string held by the TTSM String Clamp you are adjusting. Set the Cam Assembly Set Screw (ID #3) using a 1/8" Allen Wrench so that the string does not slip through the fingers of the TTSM String Clamp. The TTSM String Clamp should not damage the strings if adjusted properly but slippage, no matter how slight, will damage the strings.

NOTE: A solid "NO FINGER" TTSM String Clamp is available for pulling the main stings. This precision machined TTSM String Clamp gives you almost twice the gripping surface area without damaging the strings and is used by most professional stringers for the main strings. Two solid clamps are normally used for pulling the main strings. This "NO FINGER" TTSM String Clamp, when properly cleaned and adjusted, should hold a 17 gauge main string at 70 pounds, plus pre-stretch, without slipping or damaging the string.

There are some TTSM String Clamps being used that were originally manufactured for the older thicker strings that no matter how you adjust them string slippage can occur when stringing with the thinner 16 and 17 gauge strings used today at high tensions. These TTSM String Clamps can be updated if necessary.

Contact Jim Larsen if you are experiencing string slippage after cleaning and adjusting your TTSM String Clamps.



True-Tension Stringing Machines

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