



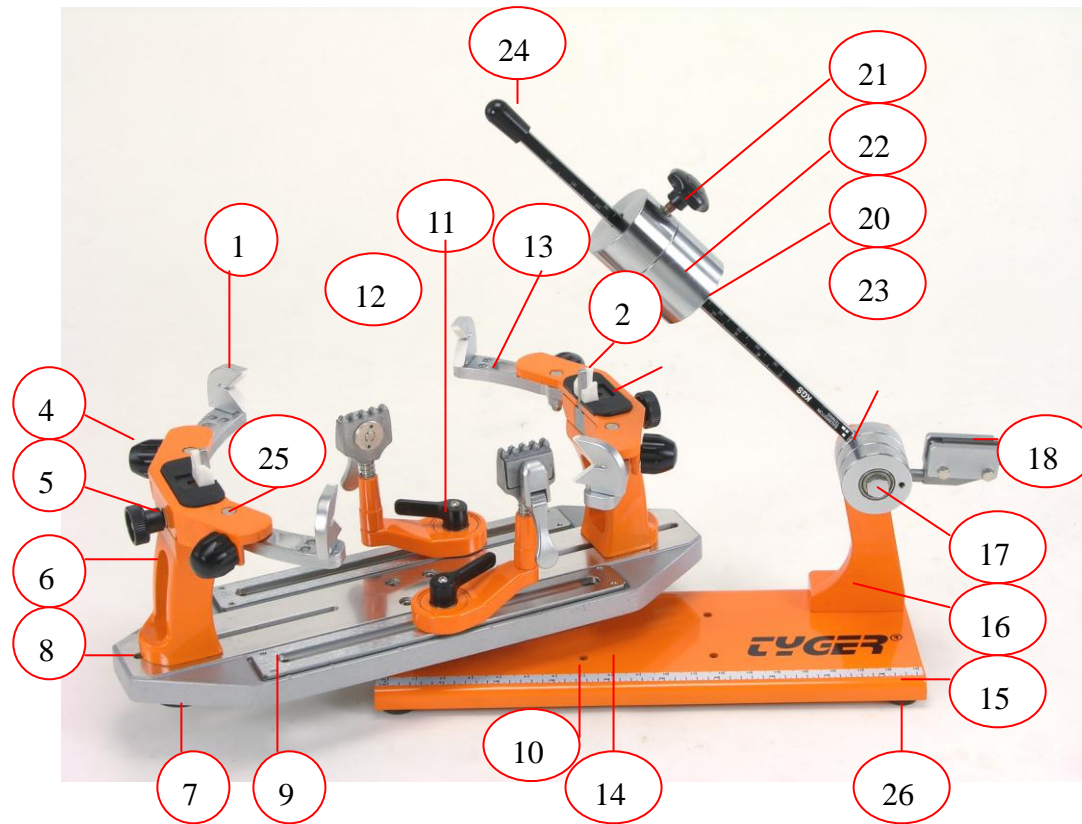
PRO 45 STRINGING MACHINE

USER'S MANUAL



Anatomy of **Pro 45** Stringing Machine

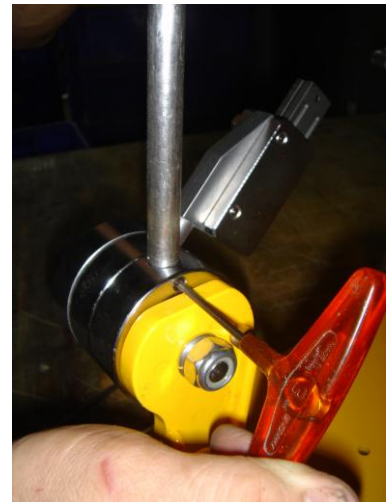
1. Side Support
2. Center Support
3. Rubber Cover
4. Side Support Arm Adjustment Knob
5. Center Support Adjustment Knob
6. Mounting Stock
7. Mounting Stock Locking Knob
8. Turntable
9. Turntable Track
10. Hole for Upgrading into Floor Stand
11. Swivel Clamp Holder
12. Swivel (String) Clamp
13. Side Support Arm
14. Base
15. Scale Sticker
16. Tensioner Post
17. Ratchet Drum
18. Linear Ball Bearing Gripper
19. Tension Arm Locking Screw
20. Allen Bolt
21. Locking Knob of Tension Weight
22. Tension Weight
23. Tension Arm
24. Rubber Cap for Tension Arm
25. Shoulder of Mounting Stock
26. Rubber Feet



Assembly Instructions

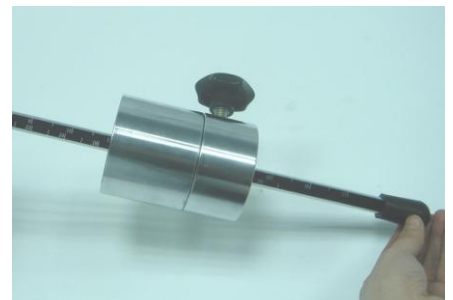
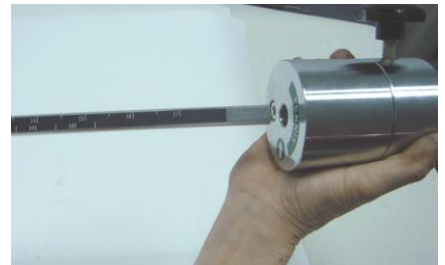
ASSEMBLING THE TENSION ARM :

Insert the tension arm into the corresponding hole in the string gripper. Note that a small hole is drilled near the end of the tension arm. After interesting the tension arm, fasten the Allen set screw by a 3 mm Allen wrench.



INSTALLING THE TENSION WEIGHT :

Remove the end cap from the tension arm and slide the tension weight onto the tension arm. Note that the arrow mark on the tension weight should face down as shown and point to the desired tension scale. Secure the tension weight to the tension arm by tightening the locking knob. Replace the end cap.

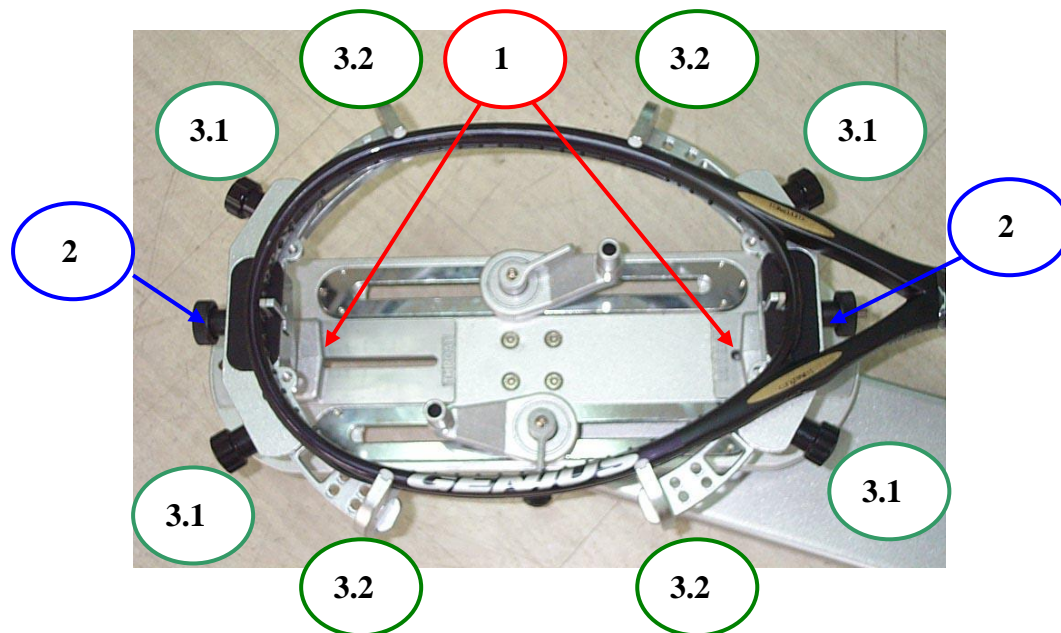


INSERTING THE SIDE SUPPORTS AND CLAMPS:

Insert two string clamps into the string pushing clamp bases and four side supports in the holes of the side support arms.



Mounting the Racquet Frame



1. Loosen both mounting stocks by turning the mounting stock locking knobs counterclockwise. Place the racquet properly on both mounting stocks. Adjust the distance between the mounting stocks to accommodate the size of the racquet frame. Turn both mounting stock locking knobs clockwise to lock both mounting stocks in place. Do not apply excessive force or over tighten the mounting stock knobs; this will damage the parts. Insert two swivel clamps and check that the two swivel clamps can reach all the stringing area of the racquet frame.
2. Lightly tighten center supports by turning the knobs on the outside of the center support clockwise.
- 3.1. The side supports are adjustable to provide support to the racquet frame. Open side support arms by turning four side support arm adjustment knobs counterclockwise.
- 3.2. Rotate the side support arm adjustment knobs clockwise until the firm contact is made between the side supports and the racquet frame.
If the side supports can't contact the frame squarely when the arms are closed against the racquet, please re-insert the side supports onto the other holes of the side support arms.

Apply a final adjustment to all racquet support points until the racquet is firmly secured in the mounting system.

Getting Started

Adjust String Clamp to the Correct Holding Pressure:

If gripper of the string clamp is over tension, turn the thumb wheel adjustment of the string clamp counterclockwise to the correct tension by needle nose pliers or fingers adjusting directly. If gripper of the string clamp doesn't hold string well, turn the thumb wheel adjustment of the string clamp clockwise to the correct tension by needle nose pliers or fingers adjusting directly.

Needle Nose Pliers Adjustment



Fingers Adjustment



Selecting Tension

Tension is selected by sliding the weight along the tension arm. Align the left edge of the weight with the desired tension as indicated on the printed scale, pointed by an arrow mark. Two scales are printed on the tension arm. The lower range is for badminton and requires that only the small weight be used in tensioning. To remove the large weight (marked TENNIS), unfasten the Allen bolt and the rested small weight (marked BADMINTON) is for badminton racquet stringing.

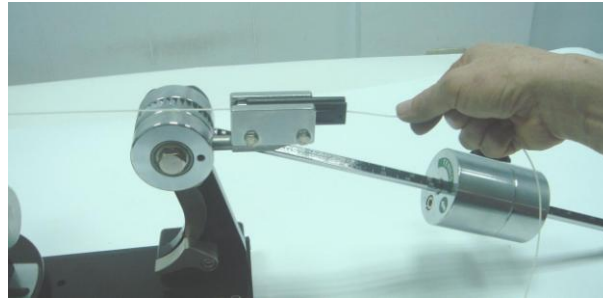


Stringing Instruction

Please consult the stringing instructions from each racquet manufacturer for the correct stringing patterns and tensions.

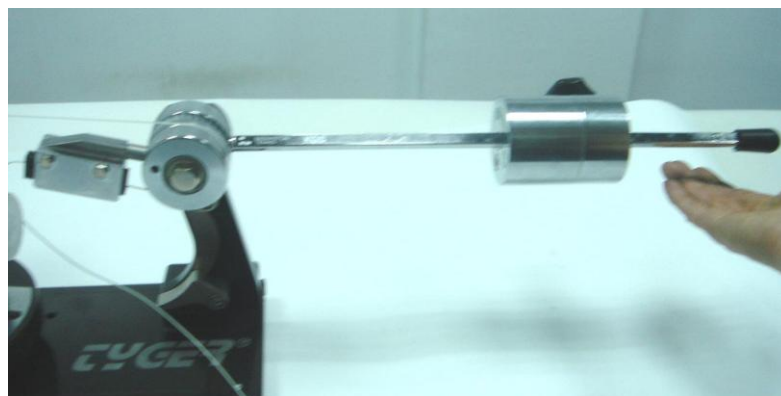
GRIPPING THE STRING:

To tension the string, insert the string between the string gripper plates.



TENSION THE STRING:

Lift the tension arm above horizontal and gently lower the tension arm under its own weight. If the tension arm drops below horizontal, repeat the above action until the tension arm comes to rest in a horizontal position (± 2 degree deviation is acceptable). If the tension arm comes to rest above horizontal, release the string by lifting the tension arm and re-pull the string.



Appendix A

ADJUST THE BASE OF THE SWIVEL CLAMP TO THE CORRECT HOLDING PRESSURE

*Lift up the base handle and turn it counterclockwise.

Lower the handle and turn it clockwise.

Repeat the process until the base is locked in place.

*The handle position could be at any desired position.

To adjust it, lift up the base handle, turn it to the desired position, then lower the handle.

