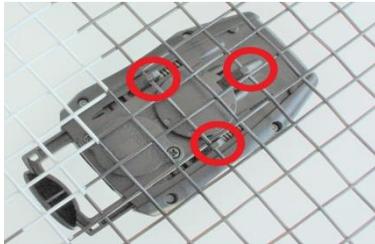


The ERT300 system operates by micro vibrations at very low energy demand. For accurate and consistent results it is important to follow the manual carefully. Download the full manual on www.ert300.com



1. Clip the ERT300 on the centre of the string bed

The ERT should be placed across the three widest cross strings. (Bridge the widest cross string)



The three claws hold the device parallel to the main strings by gentle spring tension. The claws should not point toward the main strings. If necessary, straighten the strings slightly to obtain correct device holding.



2. Hold the racquet at the throat, Press the ON button to start the measurement

During the measurement hold the racquet firmly, do not touch the frame or the string bed or put down the racquet!

Don't start the measurement with the racket mounted on the stringing machine!



The ball impact is simulated electronically (gentle vibrations). The exact readings are displayed after 6 - 8 seconds.

If the ERROR message appears change holding position from throat to handle or/and remove the device and remount it again. Restart the measurement



3. Dynamic Tension DT

DT-Value is the current string bed stiffness that determines the playing characteristics of Power and Control.

DT- playing range Lo, Mid, Hi, Hi+ shows the level of speed and aggressiveness of play for your successful games.



4. DT – Disc

Set the measured DT-Value on the DT-Disc



5. String tension kp (kg), lbs.

Read the current string tension kp, lbs. (average value). In technical terms: 1 kp force means 1 kg weight in acceleration 1 kp = 9.81 Newton. Results are developed from more than 1000 restrings with different rackets/strings



6. DT playing range

See also your DT-range and the corresponding style of play. Check FAQ's and User Manual



Recheck:

For precise and comparative rechecks, the device must always be applied to exactly the same position on the string bed.



Mark your tournament racquets!

Marking your rackets after stringing enables you to recognize the initial DT value at any time. This allows you to quickly calculate the tension loss during follow-up checks.

Monitor the DT value by carrying out periodic checks! Restrung the rackets after a tension loss reaches 20% in order to play with an optimum DT value again.

Accuracy:

The ERT 300 measures the elasticity of a string bed to one tenth of a DT. The DT-Value however is displayed in whole DT numbers, since it is not possible to string a racquet accurate to one decimal place.

Accuracy +/- 1 DT

DT is ball power in kilo pond (kp/kg) required to depress the string bed 1 cm at the sweet spot (ball impact). International standard units kp/cm or Newton/mm.



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USER MANUAL**

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ACCESS TO FAQ

Scan QR – Code

Why is the dynamic tension (DT) of your racquet important?

The string bed stiffness (DT) of a racquet is important because it has a significant influence on the player's ball control, power and comfort and therefore directly determines the playing performance. A suitable string bed stiffness can prevent injuries and improve consistency of play by being adjusted to the individual playing style and conditions. Don't forget that the string is the engine of your racket! Keep your DT always in perfect range.

How to find your best DT-Range?

String 3 identical rackets using the same string type with different tensions e.g. 23 kg, 25 kg, 27 kg (51 lbs, 55 lbs, 59 lbs.) Use the rackets in training and see which tension is best for you. Measure the DT and log all important data. By using the ERT300 you can now check and replicate your optimal DT-value over and over again – everywhere – any time!

Stringers:

The ERT300 shows you the result of the stringing process. DT is the current string bed stiffness (elasticity). The corresponding average string tension kp/kg or lbs. shown on the DT-Disc (Tension advisor) was developed from the results of more than 1000 restrings. Deviations from the tension setting may occur, depending on string material and racquet, the effective machine pull tension and stringers job. Record each tension setting, string type and the measured DT for customers and their racquets. Then adjustments can be made in future stringings in small steps.

Stringing machine:

Calibrate your stringing machine regularly using a tension calibrator. Test the correct function of the pull head and the clamps/clampholders. Clean the clamps and clampholders regularly. A correctly functioning machine is the key to achieving correct DT values.

Range of DT measurement:

When used correctly, the ERT300 measures the DT-value in the range from DT 20 to DT 56.

ERROR message:

ERROR is displayed when there is no or incorrect DT detection.

1. Change holding position from throat to handle, restart the measurement
2. Remove and repositioning the device , restart the measurement
3. DT value is too low (under DT20) , restart the measurement