



Stringlab

The right tension for every type of player

STIFFNESS OF THE STRINGBED

The stiffness of the stringbed of a racquet is shown in kg/cm. When a stiffness is 34 kg/cm, this means that 34 kg is needed to deflect the stringbed 1 cm. The Stringlab measures the natural frequency of the stringbed, and calculates the stiffness from this measurement.

USE OF THE STRINGLAB

The figure shows the functions of the display.

MEASURED VALUE BATTERY CONDITION

Unit for stiffness shows the measured value in total range.

MEASURED VALUE

BATTERY CONDITION

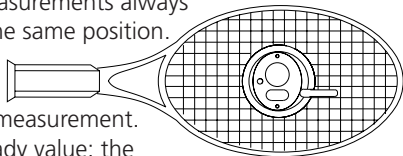


UNIT FOR STIFFNESS

SHOWS THE MEASURED VALUE IN TOTAL RANGE

TESTING THE STIFFNESS

1. Always clamp the Stringlab in the middle of the racquet around a cross string. Hook the pull rod around the cross string and switch the lever. Position the pullrod exactly between the middle main strings. To compare measurements always put the Stringlab in exactly the same position.
2. Hold the racquet steady at the end of the grip.
3. Push the button to start the measurement.
4. Read the display result: - Steady value: the measurement is ok. - flashing value: measure again the measuring time was very short. When the second measurement shows the same figure the value is ok. The measuring time on lower stiffnesses will be shorter, than on higher stiffnesses. - ER..; The measurement has been disturbed, measure again.



USING THE TESTRESULTS

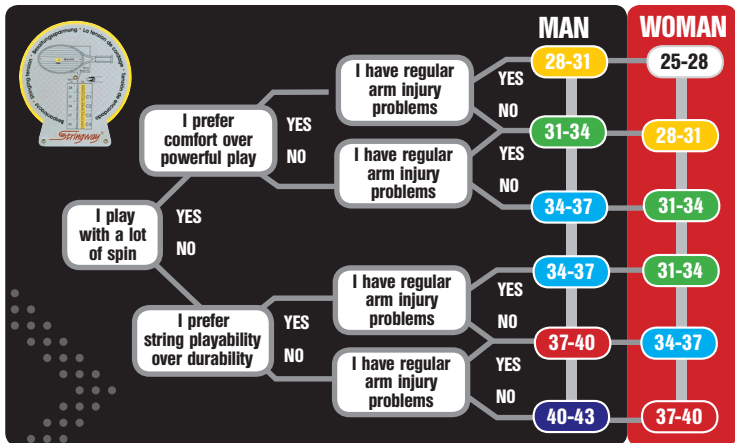
It is important that every player gets the right stiffness for his type of play. Compare the measured stiffness with the stiffness that was advised by the route map. When the measured value is outside the advised range the racquet needs a restring.

ROUTEMAP

The route map shows the right stiffness range of the stringbed for men and women with different types of play. Ask the player to answer the questions and the chart shows you the right stiffness range.

REPLACING THE BATTERY

Take care that the Stringlab lies in its bag in the right position, so that the button is not pushed in that situation. To replace the battery unscrew both screws in the bottom and take the upper part from the bottom. Keep the bottom part below so that the parts do not fall out. Put a new battery in and take care that the parts lie in the right position when the screws are tightened.



THE RIGHT STRINGING TENSION FOR DIFFERENT STIFFNESSES

The table shows the stringing tension for main and cross strings for the different stiffness classes. Measure the length and the width of the string area and read the tension for the chosen stiffness. When the stiffness after stringing is too low, check the clamps and calibrate the tension unit of your stringing machine.

← →

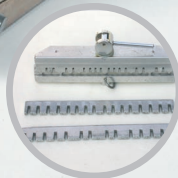
STRINGING TENSION FOR 16 MAIN-STRINGS [KG]

Length (cm)	29	30	31	32	33	34	35	36	37	38	39	40	41
28 (kg/cm)	18,0	19,0	19,9	20,9	21,9	22,9	23,9	25,0	26,0	27,1	28,2	29,3	30,4
31 (kg/cm)	19,7	20,7	21,7	22,7	23,8	24,8	25,9	27,0	28,1	29,3	30,4	31,6	32,7
34 (kg/cm)	21,1	22,1	23,2	24,3	25,4	26,5	27,7	28,8	30,0	31,2	32,4	33,6	34,8
37 (kg/cm)	22,7	23,8	24,9	26,0	27,2	28,4	29,6	30,8	32,0	33,2	34,5	35,8	37,1
40 (kg/cm)	24,4	25,5	26,7	27,9	29,1	30,4	31,6	32,9	34,2	35,5	36,8	38,1	39,5

↑ ↓

STRINGING TENSION FOR 19 CROSS-STRINGS [KG]

Width (cm)	21	22	23	24	25	26	27	28	29	30	31	32	33
28 (kg/cm)	16,4	17,6	18,8	20,1	21,3	22,6	24,0	25,3	26,7	28,1	29,5	30,9	32,4
31 (kg/cm)	17,8	19,1	20,4	21,7	23,0	24,4	25,8	27,2	28,7	30,1	31,6	33,1	34,7
34 (kg/cm)	19,1	20,4	21,8	23,2	24,6	26,0	27,5	28,9	30,5	32,0	33,6	35,1	36,8
37 (kg/cm)	20,4	21,8	23,2	24,7	26,1	27,6	29,2	30,7	32,3	33,9	35,5	37,2	38,8
40 (kg/cm)	22,0	23,5	25,0	26,5	28,1	29,6	31,2	32,9	34,5	36,2	37,9	39,6	41,4



For more Stringway info go to
www.stringway-nl.com