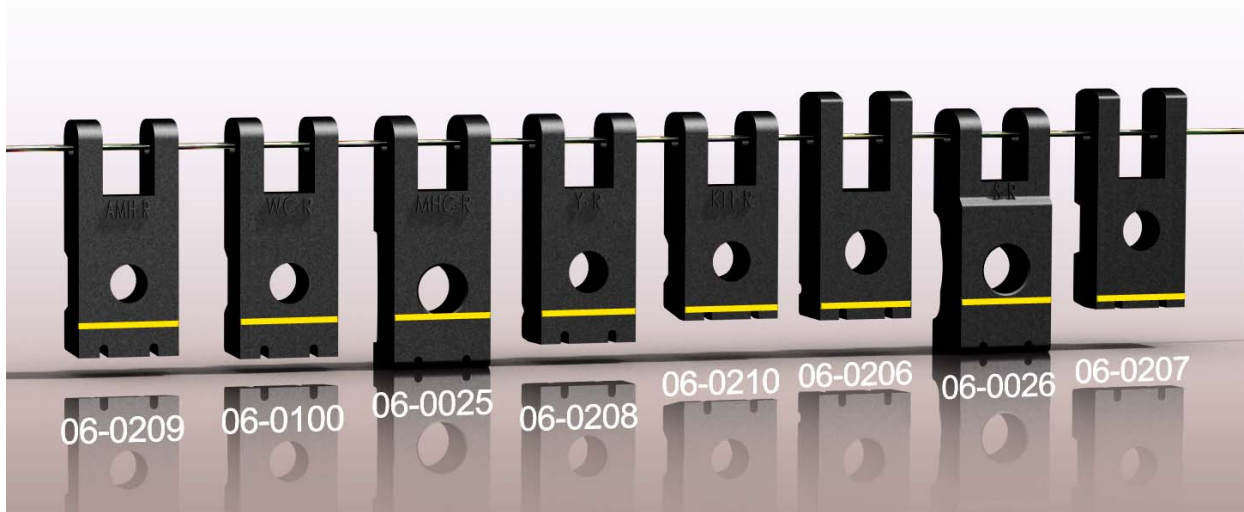


Action center friction measurement using a gram gauge:

Measure Flanges. Apply force at a right angle to the lever arm throughout the measurement while touching only the tip at 20mm from the center. See illustrations below. Grams resistance specification is 2 to 4 grams.



20 mm measuring locations on repetition flanges.



20 mm measuring locations on shank flanges.

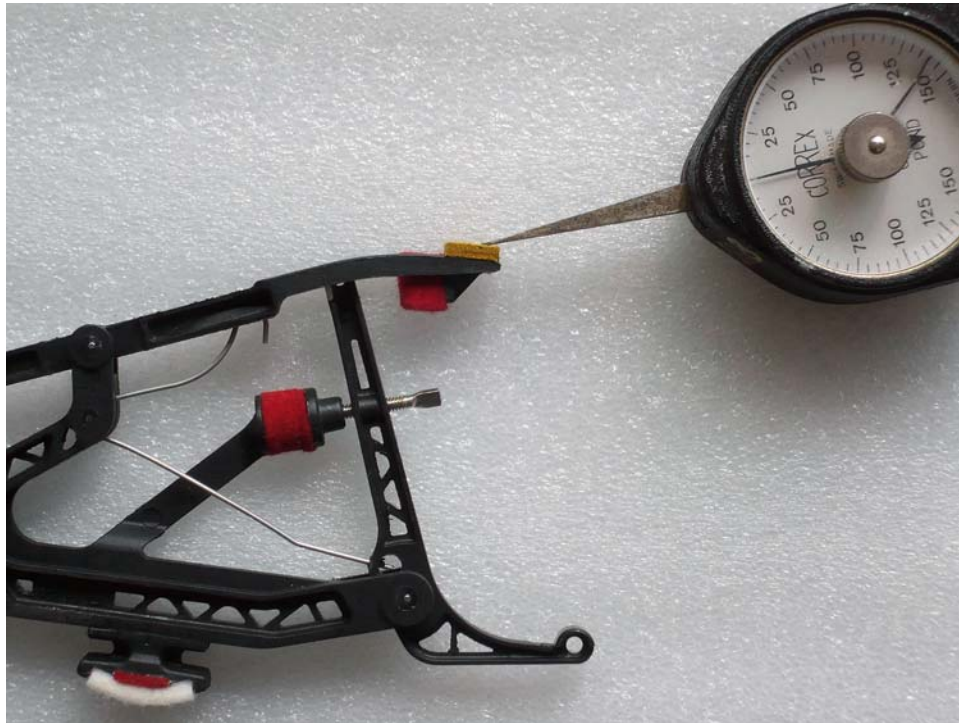


Correct orientation for measuring shank flange resistance.



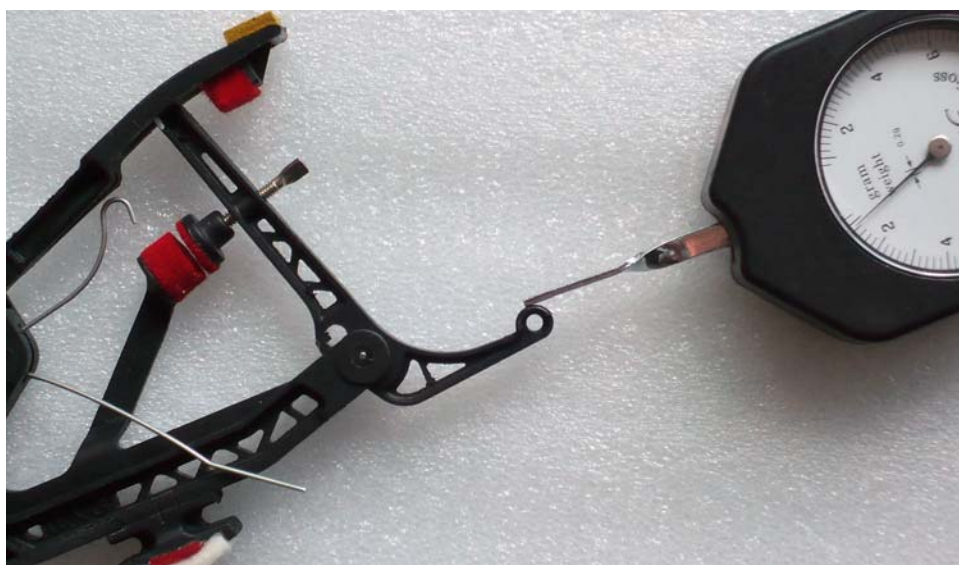
Correct orientation for measuring repetition flange resistance.

Measure Repetition Spring Tension. Apply force at end of balancier. Spring tension is measured at the moment balancier starts to move. bass – 80-90g, tenor – 70-80g, treble – 60-70g.



Measuring spring tension at the end of the balancier.

Measure Jack. Remove pressure from the spring while measuring resistance at the end of the Jack. 0.5 to 2 grams. Measure at the top or bottom of the jack toe.



Measuring friction at the top of the jack toe.