

G4 SSL Softball Bat Tester

USA Softball - NCAA – Universal

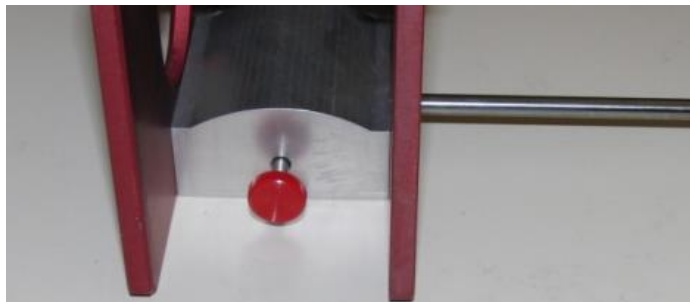
www.barrelcompression.com

Assembly

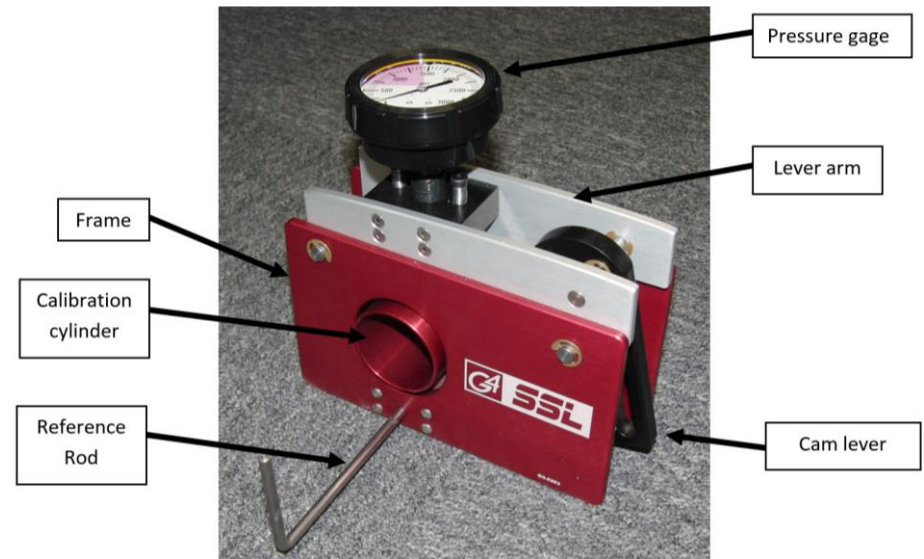
Step 1: Insert reference rod through the small hole on the frame. The end of the rod should be flush with the opposite side of the frame. This will ensure bat compressions are at the 6 inch location.



Step 2: Hand tighten the setscrew to ensure the reference rod does not rotate.



Testing the barrel compression of a bat



Step 1: Insert a softball bat through the 2.5" diameter hole in the frame until the end of the barrel touches the reference rod (also place the calibration cylinder between the handle of the bat and the table to keep the bat level with the fixture).

Step 2: Apply a preload by rotating the pressure gage clockwise until the gauge reads 500psi for the USA version or 0 lbs for the universal version. This will ensure good contact with the bat and the anvils. Make sure the cam lever is in the full down/vertical position.

IMPORTANT -- Grease cam lever slot every 1000 cycles.



Step 3: Compress the barrel by pulling the cam lever to the up/horizontal position until the lever locks in place. If the compression is within the red zone.

Note: Always check local league rules and field testing programs for portable compression limits.

Calibration Note:

To ensure the compression fixture is working properly, preload and compress the accompanying red anodized cylinder. The cylinder should compress to the value engraved on it.

Conversion between USA(psi) and USSSA(lbs) dials: $lbs = 0.23 * (psi - 500)$

USA Softball SP pass threshold = USSSA pass threshold