



R&A Rules Limited
and
United States Golf Association

GOLF BALL WEIGHT AND SIZE TEST PROTOCOL

Rev. 2.0
1 December 2020

Revision	Date	Details of Revision
0.0	1999	Original published version.
1.0	28-Feb-2011	Protocol updated to include document number and revision date
2.0	1-Dec-2020	Protocol simplified to update references to the Equipment Rules, remove screening procedures and to eliminate references to specific test equipment where possible.

1. Scope

This protocol describes the method used to test golf balls for conformance to the Equipment Rules, Part 4, Sections 2 and 3, as administered by R&A Rules Ltd. (The R&A) and the United States Golf Association (USGA).

2. Test Protocol

- a. Golf balls shall be maintained at 75° F +/- 1° F (23.9° C +/- 0.6° C) for a minimum of three hours prior to testing.
- b. Each of 24 balls shall be measured for its mass using a calibrated mass balance or equivalent.
- c. For each of 24 balls, it shall be determined whether the ball passes through an insulated steel ring of 1.6800 inches internal diameter under the force of its own weight.
- d. This determination (c.) shall be made at ten positions as through rolling the ball over a predetermined path (see Appendix).
- e. Step (d.) shall be repeated ten times such that one hundred determinations are made for each ball. The number of times that each ball passes through the ring during testing shall be recorded.

3. Determination of Conformance Status

3.1. Ball mass

- a. For each golf ball, the mass shall be compared to the 1.620 oz. avoirdupois (45.93 g) limit.
- b. If four or more masses exceed this limit, then the sample shall be ruled non-conforming to the Equipment Rules, Part 4, Section 2.

3.2. Ball size

- a. For each golf ball, if the ball passes through the ring for more than 25% of the tests then that ball has failed the size test.
- b. If four or more balls fail the size test then the sample shall be ruled non-conforming to the Equipment Rules, Part 4, Section 3.

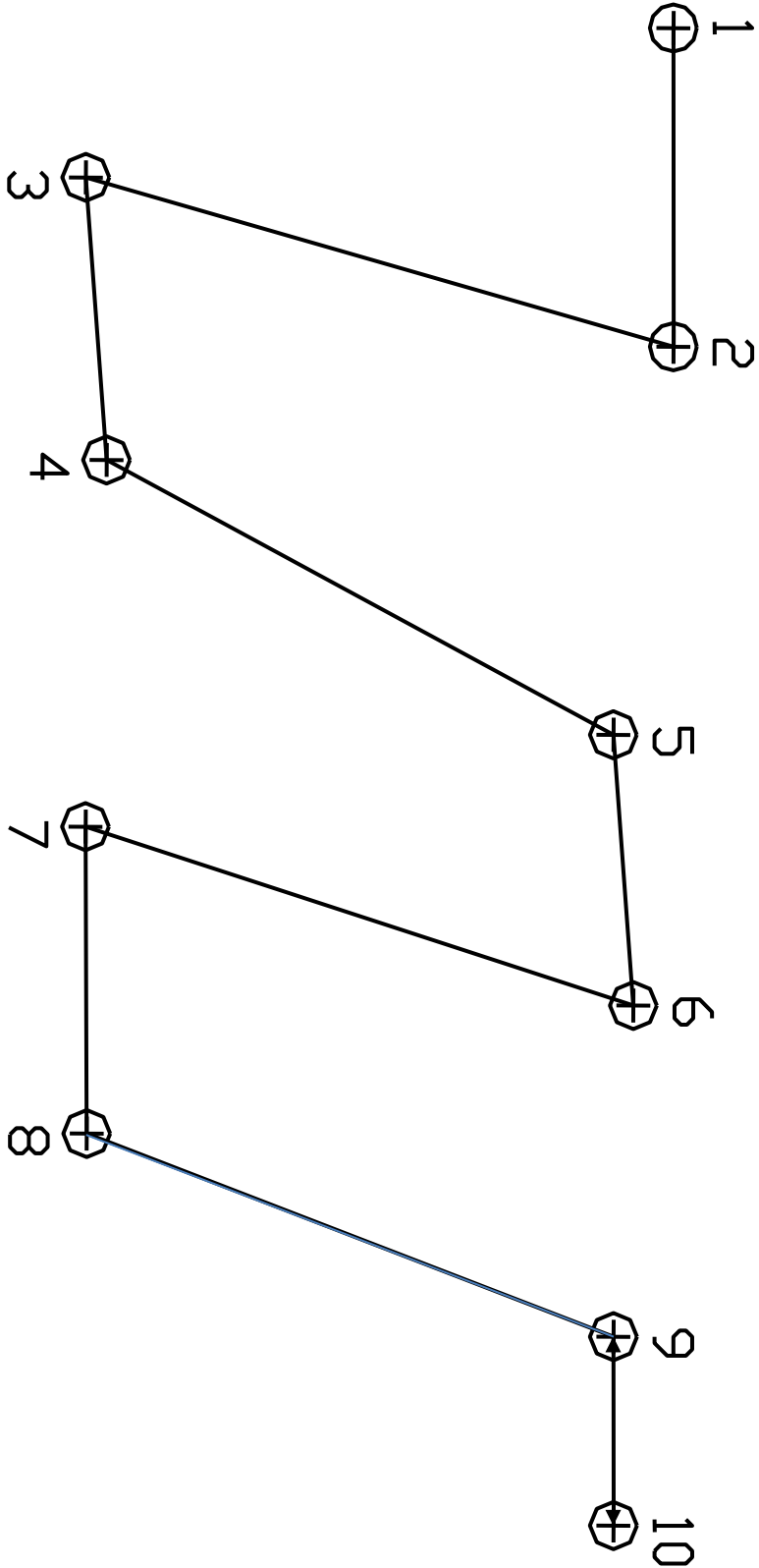
3.3. Non-conforming samples for Size, Weight and Initial Velocity

- a. If a total of four or more golf balls:
 - i exceed the ball mass limit (3.1) and/or;
 - ii fail the size test (3.2) and/or;
 - iii exceed the Initial Velocity limit (“Initial Velocity Test Protocol”), then the sample shall be ruled non-conforming to the Equipment Rules, Part 4.

Appropriate screening methods may be employed

Appendix

Note: When printed, segment 8-9 measures 3.00 in.



United States Golf Association / R&A Rules, Ltd.			
Golf Ball Size Test Path			
3-Jun-2009		Rev. 1.0.0	
		Scale 1:1	