



**International Shooting Sport Federation  
Internationaler Schiess-Sportverband e.V.  
Fédération Internationale de Tir Sportif  
Federación Internacional de Tiro Deportivo**

## **PISTOL EQUIPMENT CONTROL GUIDE**

Compulsory for all Olympic Games,  
World Championships, World Cups and  
Continental Championships

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- 1 -

## 1 Organization of the Equipment Control Section

- 1.1 The Pistol Equipment Control Section should consist of at least two and preferably four qualified staff members.
- 1.2 The work of the section must be organized on the principle of an assembly line.
- 1.3 The first member of the section enters all the necessary data on the athlete's Equipment Control Form.
- 1.4 The second or third member of the section checks the pistols (dimensions, trigger weight, etc.) marks the pistols and countersigns the Equipment Control Form.
- 1.5 A third or fourth member controls sponsor markings on the athlete's clothing, shoes and pistols and controls the shoe sole flexibility with the appropriate device.
- 1.6 The work of the Equipment Control Section must be assisted and supervised by an Equipment Control Jury Member as required by ISSF Rule 6.8.

## 2 Testing Equipment

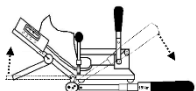
The Pistol Equipment Control Section must have the following equipment:

- 2.1 Measurement box 420 x 200 x 50 mm for air pistols.
- 2.2 Measurement box 300 x 150 x 50 mm for center fire and rim fire pistols.  
*NOTE: A manufacturing tolerance in any Measurement Box of 0.0 mm to + 1.0 mm in each dimension is permitted.*
- 2.3 Weighing scale with a rated capacity of 1,500 grams, in 1 gram increments.
- 2.4 Weights for measuring trigger pull (500 grams and 1000 grams).  
*NOTE: A weight with a metal or rubber knife-edge with rubber must be used.*  
*NOTE: A roller on the trigger weight is not permitted. A dead weight must be used with no springs or other devices. (8.4.2.1).*
- 2.5 ISSF approved shoe sole flexibility device (see Annex A for operating instructions).
- 2.6 Chronograph for testing the ammunition velocity of pistols and ammunition used in the 25m Rapid Fire Pistol Men event in accordance with Rule 8.4.4 (see Annex B for velocity testing instructions).
- 2.7 90° angle template for measuring the heel rest configuration on the grip.
- 2.8 Copies of the **ISSF General Technical Rules** and **Special Technical Pistol Rules** in English and in the host country language (if available).  
*NOTE: Copies of any errata or relevant rule interpretations from the ISSF website must also be available.*
- 2.9 A list with the names and ISSF ID Numbers of all athletes entered by country in the Pistol events.
- 2.10 Equipment Control Forms.
- 2.11 Felt tip marking pens.
- 2.12 Vernier slide gauge, steel ruler of 300 mm graduated in mm.

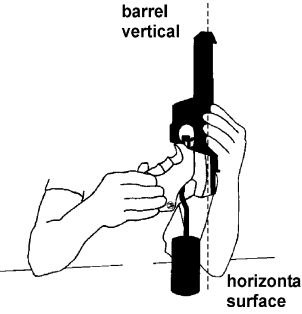
- 2.13 Equipment Control Seals or Stickers (preferably serial numbered), not mandatory if ISSF Equipment Control Card is used.
- 2.14 Re-inspection Cards for trigger, shoes, ammunition and taping.
- 2.15 The special ISSF Equipment Control Testing and Calibration kit, (see calibration Guidelines Equipment Control Instruments) must be used to check testing instruments before each day of testing and when a disqualification is considered during post-competition testing (6.7.7.1 c).

### 3 Control Procedures

- 3.1 Athletes must present themselves in person at the Equipment Control center with the pistols and all equipment they will use, except when the athlete already has an ISSF Equipment Card. In these case, the athlete can check their equipment voluntarily

ITEM TO CHECK	CONTROL PROCEDURES	RULE NUMBER
<b>SHOES</b>		
<b>Shoe Type</b>	Only <b>low-sided shoes</b> which do not cover the ankle bone are permitted.	8.5.6.a
<b>Inner Soles or Inserts</b>	Athletes may use removable inner soles or inserts in the boots or shooting shoes, however, those inserts must be flexible. No inner soles or orthopedic inserts that are made of hard, inflexible plastic or similar materials or that are not flexible at the ball of the foot are permitted. In pre- and post-competition testing, athletes will be asked to remove their boots and inner soles will be checked.	8.5.6.b
<b>Shoe Sole Flexibility</b> 	Use the Shoe Sole Flexibility Tester (see operating instructions at Annex A) to check the flexibility of the sole of the shoes. The soles of athletes' shoes must bend at least 22.5 degrees when a force of 15 Newton-Meters is applied to the heel area while the boot or shoe is clamped in the testing device.	8.5.6.f
<b>STANDARDS FOR ALL PISTOLS</b>		
<b>Oscillation Systems</b>	Movement or Oscillation Reduction Systems. Any device, mechanism or system that actively reduces, slows or minimizes rifle oscillations or movements before the shot is released is prohibited.	8.4.1.6

<p><b>Grips</b></p>	<p>Neither the grip nor any part of the pistol may be extended or constructed in any way that would allow it to touch beyond the hand. The wrist must remain visibly free when the pistol is held in the normal firing position. Bracelets, wristwatches, wristbands, or similar items are prohibited on the hand and arm that holds the pistol.</p> <p>Adjustable grips are permitted, providing that when adjusted for the athlete's hand they conform to the rules for the event. After the Equipment Control check, the grip adjustment must not be changed in any way that conflicts with ISSF Rules.</p>	<p>8.4.1.1.a</p> <p>8.4.1.1.b</p> <p>8.12</p> <p>8.13</p>
<p><b>Sights</b></p>	<p>Only open sights are allowed. Fiber optic or any reflecting Colors, Optical, mirror, telescope, laser-beam, electronically projected dot sights etc., are prohibited. Any aiming device programmed to activate the firing mechanism is prohibited. No protective covering is permitted on front or rear open sights.</p>	<p>8.4.1.3</p> <p>8.12</p> <p>8.13</p>
<p><b>Triggers</b></p>	<p>Electronic Triggers are allowed.</p>	<p>8.4.1.4</p>
<p><b>Trigger Pull Test</b></p>	<p>A weight with a metal or rubber knife-edge must be used. A roller on the trigger weight is not permitted. A dead weight must be used with no springs or other devices.</p> <div data-bbox="517 1128 1134 1910" data-label="Image"> </div>	<p>8.4.2.1</p> <p>8.4.2.1</p> <p>8.4.2</p>

	<p>The weight of the trigger pull must be measured, with the test weight suspended near the middle of the trigger (see illustrations) and the barrel held vertically. The weight must be placed on a horizontal surface and lifted clear of the surface. The tests must be conducted by Equipment Control officials. The minimum weight of the trigger pull must be maintained throughout the competition. A maximum of three (3) attempts to lift the weight is allowed. If it does not pass it may only be resubmitted after adjustment. When testing air or gas actuated pistols, the propellant charge must be activated.</p>	
<b>Air Pistol</b>		
<b>Pistol Configuration</b>	Any caliber 4.5 mm (.177") compressed air or gas pistol may be used.	8.4.3.5
<b>Pistol Dimensions</b>	Place the pistol in the box (420 mm x 200 mm x 50 mm) and close the cover.	8.12
<b>Trigger Pull Test</b>	<p>Check the trigger pull with the 500 gram weight.</p> <p><i>NOTE: When testing the trigger pull with a compressed air or CO<sub>2</sub> pistol, the propellant charge must be activated.</i></p>	8.12 8.4.2
<b>Pistol Weight</b>	Weigh the pistol on the scale. The weight must not exceed 1500 grams.	8.12
<b>Grips-Additional Restrictions</b>	No part of the grip, frame or accessories may touch any part of the wrist. The heel rest must extend at an angle of not less than 90 degrees to the grip. This applies to the heel rest in front and behind the grip as well as on the sides. Any upward curvature of the heel and/or thumb rest and/or a downward curvature of the side opposite the thumb is prohibited. The thumb rest must allow free upward movement of the thumb. The grip must not encircle the hand. Curved surfaces on the grips or frame, including the heel and/or thumb rest, in the longitudinal direction of the pistol are permitted.	8.12 and drawings 8.13
<b>Specific Standards for all 25m Pistols</b>		
<b>Pistol Configuration</b>	The center line of the bore must pass above the web (between thumb and forefinger) of the hand holding the pistol in the normal firing position.	8.4.3.1.b
<b>Pistol Dimensions</b>	Place the pistol in the box (300 mm x 150 mm x 50 mm) and close the cover.	8.12

<b>Pistol Weight</b>	Weigh the pistol on the scale. The weight must not exceed 1400 grams. The weight of the pistol must be checked with all accessories, including balancing weights, case catchers and an unloaded magazine.	8.12
<b>Barrel Length</b>	Measure the length of the barrel. Maximum length is 153 mm.  Compensators, muzzle brakes, perforated barrels or any device(s) functioning in a similar manner are not allowed.	8.12  8.12
<b>Sight Radius</b>	Measure the sight radius. Maximum length is 220 mm.	8.12
<b>Grips additional restrictions</b>	No part of the grip, frame or accessories may touch any part of the wrist. The heel rest must extend at an angle of not less than 90 degrees to the grip. This applies to the heel rest in front and behind the grip as well as on the sides. Any upward curvature of the heel and/or thumb rest and/or a downward curvature of the side opposite the thumb is prohibited. The thumb rest must allow free upward movement of the thumb. The grip must not encircle the hand. Curved surfaces on the grips or frame, including the heel and/or thumb rest, in the longitudinal direction of the pistol are permitted. In addition, the rear part of the frame or grip which rests on top of the hand between the thumb and the forefinger must not be longer than 30 mm. This distance is measured at a right angle to the extended center line of the bore.	8.12 and drawings 8.13
<b>Case catchers</b>	Are allowed providing the pistol complies with all the Rules (dimensions and weight) when fitted. This must be marked on the Equipment Control Card.	8.4.1.5
<b>25m Rimfire Pistol</b>		
<b>Pistol Configuration</b>	Only caliber 5.6 mm (.22") rimfire pistols, except single shot pistols, chambered for Long Rifle cartridges that conform to the specifications in 8.12 and 8.13 may be used.	8.4.3.2 8.12 8.13
<b>Trigger pull Test</b>	Check the trigger pull with the 1000 gram weight.	8.12
<b>Ammunition Velocity Test</b>	FOR 25M RAPID FIRE PISTOL MEN ONLY. One athlete from each relay must be selected for testing the velocity of his pistol ammunition to determine if its velocity exceeds 250 m/sec. Velocity tests must be conducted with a chronograph according to <b>Annex B, Procedures for Conducting Rule 8.4.4 Pistol Ammunition Velocity Tests.</b>	8.4.4  8.4.4.2

	<b>25m Center Fire Pistol</b>	
<b>Pistol Configuration</b>	Any center fire pistol or revolver, except a single shot pistol, chambered for cartridges in caliber 7.62 mm to 9.65 mm (.300" – .380") that conforms to the specifications in 8.12 and 8.13 may be used.	8.4.3.3 8.12 8.13
<b>Trigger pull Test</b>	Check the trigger pull with the 1000 gram weight.	8.12
	<b>50m Pistol</b>	
<b>Pistol Configuration</b>	Any caliber 5.6 mm (.22") rimfire pistol, chambered for long rifle cartridges, may be used. Hand covers for 50 m pistol are permitted, providing they do not cover the wrist	8.4.3.4 8.4.4
<b>Pistol Dimensions</b>	No restriction	8.12
<b>Trigger Pull</b>	No restriction	8.12
<b>Pistol Weight</b>	No restriction	8.12
<b>Grips</b>	Special grips are permitted.	8.12
<b>Barrel Length</b>	No restriction	8.12
<b>Sight Radius</b>	No restriction	8.12
<b>Follow up controls</b>	<p>10 m Air Pistol, 25m Pistol:</p> <ul style="list-style-type: none"> <li>• 1 out of 8 for trigger and grip</li> <li>• 1 out of 20 for shoes and body taping</li> </ul> <p>25m Rapid Fire Pistol</p> <ul style="list-style-type: none"> <li>• 1 per relay for trigger and grip</li> <li>• 1 per relay for ammunition</li> <li>• 1 per relay for shoes and taping</li> </ul> <p>50m Pistol</p> <ul style="list-style-type: none"> <li>• 1 out of 8 for grip, shoes and taping</li> </ul>	8.4.2.3
<b>Follow up controls for finals</b>	Check trigger pull weight (where applicable) and grips of all finalists,	6.7.1.3

**Annexes:**

***Annex A: Instructions for Conducting Shoe Sole Flexibility Tests for Rifle and Pistol Shoes***

***Annex B: Procedures for Conducting Rapid Fire Pistol Ammunition Velocity Tests***