



INTERNATIONAL SHOOTING SPORT FEDERATION
INTERNATIONALER SCHIESS-SPORTVERBAND E.V.
FÉDÉRATION INTERNATIONALE DE TIR SPORTIF
FEDERACION INTERNACIONAL DE TIRO DEPORTIVO


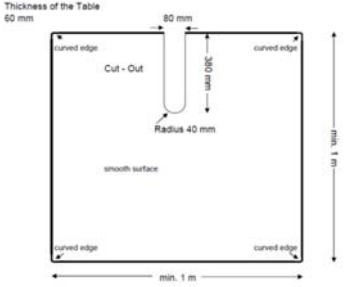


Equipment Control Gauges and Instruments

Effective 1 January 2018

ISSF Rule 6.5 requires for Organizing Committees:

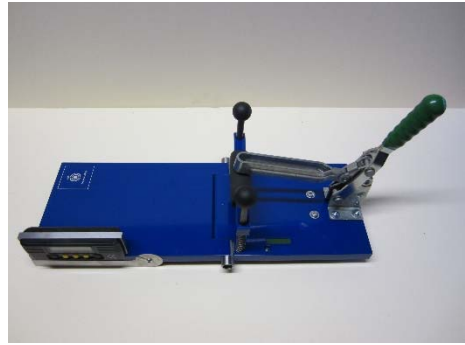
Each Organizing Committee must provide a complete set of gauges and instruments for Equipment Control before and during ISSF Championships. This rule also requires that Calibration Certification or Calibration Test Equipment must be provided. The ISSF Technical Delegate or the Chairman of the Equipment Control Jury must examine and approve all gauges and instruments prior to the competition. Calibration test equipment for use in examining Equipment Control instruments is available from ISSF Headquarters. ISSF Rule 6.5 requires that certain clothing measurements may only be checked with devices approved by the ISSF Technical Committee or the Chairman of the Equipment Control Jury.

This document provides a list of the Equipment Control gauges and instruments that Organizing Committees **must have** in order to conduct an ISSF Championship. The list identifies the instruments that must be ISSF approved. The ISSF can provide a whole set for you, depending on the level of ISSF Championship, also the ISSF can advise you about the quantity what you need to run an official ISSF event. For any questions, please contact the ISSF Headquarters and the ISSF Technical Director, Mr. Wilhelm-Xaver Grill.

ITEMS	PICTURES/ILLUSTRATIONS
<p>Stiffness Measurement Device</p> <ul style="list-style-type: none"> ▪ To measure rifle clothing stiffness in accordance with ISSF Rule 6.5.2. ▪ Must be ISSF approved. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	
<p>Table for Stiffness Measurement Device</p> <ul style="list-style-type: none"> ▪ To facilitate rifle clothing stiffness measurements in accordance with ISSF Rule 6.5.2. ▪ ISSF approved device not required. ▪ Recommend a flat board or similar material. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	
<p>Thickness Measurement Device</p> <ul style="list-style-type: none"> ▪ To measure rifle clothing thickness in accordance with ISSF Rule 6.5.1. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	
<p>Rifle Jacket Overlap Device</p> <ul style="list-style-type: none"> ▪ To measure rifle jacket overlap in accordance with ISSF Rule 7.5.4.2. ▪ 6 – 8 kg device. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	

Shoe Sole Flexibility Testing Device

- To measure rifle and pistol athletes' shoe sole flexibility in accordance with ISSF Rule 6.5.3 / 7.5.2.3.
- Must be ISSF approved.
- Must be checked and calibrated by the Equipment Control Jury Chairman or Technical Delegate.



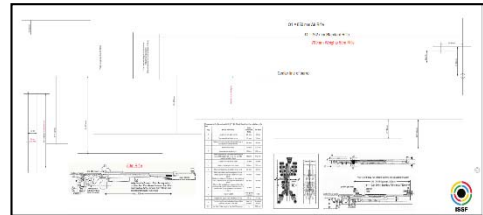
Shoe Dimension Measurement Device

- To measure the external dimensions of rifle athletes' shoes in accordance with ISSF Rule 7.5.3.6.
- Must be ISSF approved.
- Must be checked and calibrated by the Equipment Control Jury Chairman or Technical Delegate.



Rifle Dimension Template




- To check rifle external dimensions in accordance with ISSF Rule 7.4.4.1 / 7.4.4.2.
- ISSF approved template not required.
- Must be dimensionally accurate.



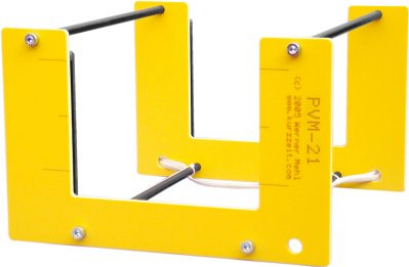

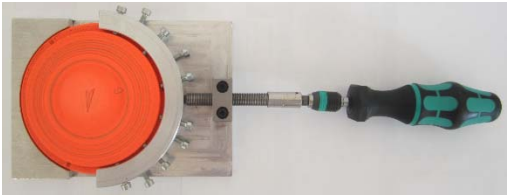



Knelling Roll Measuring 250 x 118 mm



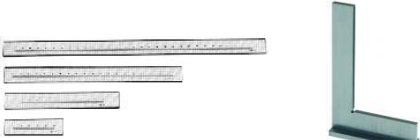

- To check kneeling roll external dimensions in accordance with ISSF Rule 7.5.8.5.
- ISSF approved device not required.
- Must be dimensionally accurate.
- Construct an open cylinder with an internal diameter of 180 mm and a length of 250 mm.



<p>25m Pistol Measuring Box</p> <ul style="list-style-type: none"> ▪ To check 25m Pistol external dimensions in accordance with ISSF Rule 8.12. ▪ ISSF approved device not required. ▪ Must be dimensionally accurate. ▪ Measuring box must have internal dimensions of 300 mm x 150 mm x 50 mm, with 0.0 mm to + 1.0 mm tolerance. 	
<p>10m Air Pistol Measuring Box</p> <ul style="list-style-type: none"> ▪ To check 10m Air Pistol external dimensions in accordance with ISSF Rule 8.12. ▪ ISSF approved device not required. ▪ Must be dimensionally accurate. ▪ Measuring box must have internal dimensions of 420 mm x 200 mm x 50 mm, with 0.0 mm to + 1.0 mm tolerance. 	
<p>1000 g 25m Pistol Trigger Weight</p> <ul style="list-style-type: none"> ▪ To check 25m Pistol trigger pull weight. ▪ 1000 g weight required. ▪ Must be configured to weigh pistol triggers according with ISSF Rule 8.4.2.1. ▪ ISSF approved device not required. 	
<p>500 g 10m Air Pistol Trigger Weight</p> <ul style="list-style-type: none"> ▪ To check 10m Air Pistol trigger pull weight. ▪ 500 g weight required. ▪ Must be configured to weigh pistol triggers according with ISSF Rule 8.4.2.1. ▪ ISSF approved device not required. 	

<p>120 - 200 g Scale</p> <ul style="list-style-type: none"> ▪ To check 25m Rapid Fire Pistol bullet weight. ▪ To check shotgun shot charges. ▪ Must measure weight in 0.0.1 g increments from 0.00 g to 120.00 - 200.00 g. ▪ The scale must have a state certificate. 	
<p>10 kg Scale</p> <ul style="list-style-type: none"> ▪ To check rifle weights. ▪ To check pistol weights. ▪ Must measure weight in 1.0 g increments from 0.0 g to 10,000.0 g. ▪ The scale must have a state certificate. 	
<p>Chronograph</p> <ul style="list-style-type: none"> ▪ To measure the velocity of 25m Rapid Fire Pistol ammunition in accordance with ISSF Rule 8.4.4 / 8.4.4.1. ▪ ISSF approved chronograph not required, but must be in accordance with ISSF velocity measurement procedure. 	
<p>Clay Target Dimension Control Device</p> <ul style="list-style-type: none"> ▪ To check the external dimensions of shotgun clay targets in accordance with ISSF Rule 6.3.6.1. ▪ Must be ISSF approved. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	
<p>Clay Target Breakability Device</p> <ul style="list-style-type: none"> ▪ To check the breakability of shotgun clay targets in accordance with ISSF Rule 6.3.6.3. ▪ Must be ISSF approved. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	

<p>Shotgun Ammunition Cutter</p> <p>To open the shotgun cartridges.</p>	
<p>Bore pellet Filter</p> <ul style="list-style-type: none"> ▪ To check the dimensions of shotgun pellets in accordance with ISSF Rule 9.4.3.1 d). ▪ Must be ISSF approved. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	
<p>Testing Device Calibration Kit</p> <ul style="list-style-type: none"> ▪ To calibrate Equipment Control Testing Devices. ▪ ISSF calibration test equipment must be used to check testing instruments before each day of testing and when a disqualification is considered during post-competition testing, ISSF Rule 6.7.6.2 c). ▪ The Calibration Kit is available from ISSF Headquarters. 	
<p>Cartridge Cutter</p> <ul style="list-style-type: none"> ▪ To open Shotgun Cartridges. ▪ ISSF approved device not required. 	
<p>Shot Shell Diameter Tester</p> <ul style="list-style-type: none"> ▪ To check the Diameter of the Shotgun Pellets. ▪ Must be ISSF approved. ▪ Must be checked by the Equipment Control Jury Chairman or Technical Delegate. 	

<p>Micro meter</p> <ul style="list-style-type: none"> ▪ To check miscellaneous fine measurements. ▪ ISSF approved device not required. 	
<p>Sliding Calliper</p> <ul style="list-style-type: none"> ▪ To check miscellaneous measurements. ▪ ISSF approved device not required. 	
<p>Steel Ruler / Angle Device To check miscellaneous measurements.</p>	
<p>Angle Measuring Device</p> <ul style="list-style-type: none"> ▪ To check 25m Pistol ready position. ▪ To check 50m Rifle Prone forearm angle. ▪ To check Shoe Sole Flexibility Device. ▪ ISSF approved device not required. 	

Comments

All gauges and instruments must be checked by the Chairman of the Equipment Control Jury Chairman or Technical Delegate.

When ISSF-approved testing devices are required for a specific testing function, manufacturers that wish to obtain ISSF approval must submit a prototype or production version of the device so that it may be examined for possible approval by the ISSF Technical Committee.

The list of suppliers can be obtained from ISSF Headquarters on request, or the ISSF can provide you a whole set.