
**Box equipments and wears- part 2:
Boxing ring**

ICS: 97.220.01

Published by Ethiopian Standards Agency

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Foreword

This Ethiopian Standard has been prepared under the direction of the Technical Committee for Sport Equipments and Facilities (TC 96) and published by the Ethiopian Standards Agency (ESA).

Draft of the standard has been presented by Federal Sport Commission.
Acknowledgment has been made for the organization for its concern to contribute to the effort of national standardization.

Box equipments and wears- part 2:Boxing ring

1. Scope

This Ethiopian standard specifies the requirements for boxing ring and its accessories used for boxing competition.

2. Normative reference

No normative references

3. Terms and definitions

For the purposes of this standard, the following terms and definitions shall apply.

3.1

AIBA

International Amateur Boxing association

3.2

Boxing ring

A set of components shown in figure 1

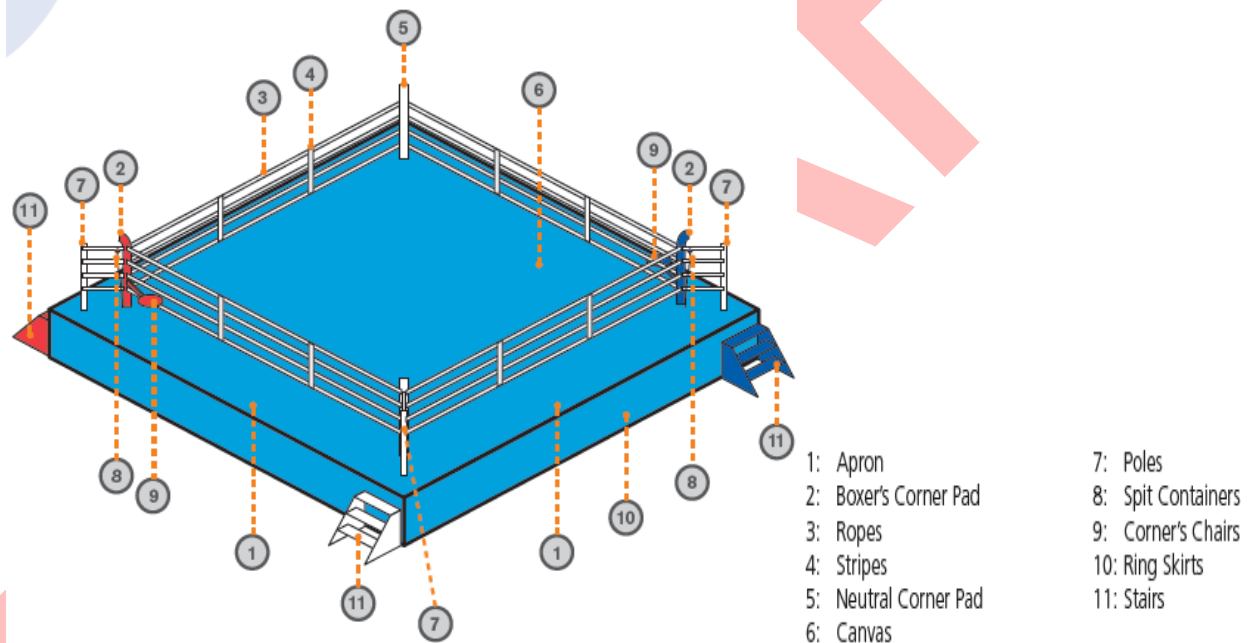


Figure 1: components of boxing ring

4. General requirements

4.1 A water proof wooden platform shall be safely constructed around the boxing ring, leveled and free from any obstructing projections.

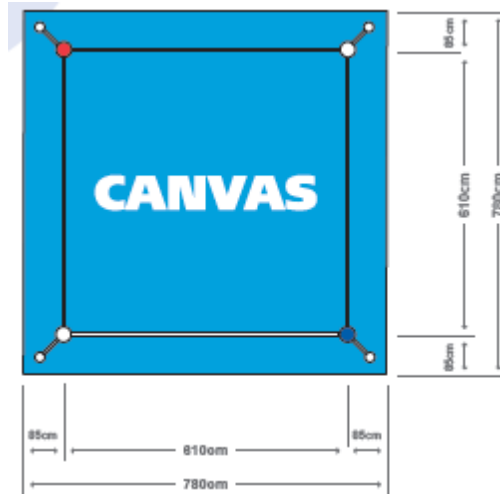
4.1.1 The boxing ring shall be fitted with four corner posts with four corner pads in order to prevent injury to the Boxers

5. Specific requirements

5.1 Canvas

5.1.1 The ring canvas shall be 6.10m square inside the line of the ropes.

5.1.2 the dimensions of the canvas shall be as specified in figure 2 below



5.1.3 The canvas shall cover the entire platform and must be made of non-slippery material .

5.1.4 The floor shall be covered with felt, rubber or other suitably approved material i.e soft quality. and elasticity. The thickness of the cover shall not be less than 1.5 cm and not more than 2.0cm.

5.1.5 The canvas shall be blue, pantone 299.

5.2 Apron

5.2.1 The size of the apron shall extend for 85cm outside the line of the ropes on each side.

5.2.2 The total size shall be long enough to cover the edge of the ring to be connected with the skirts – around 10cm wider, for a total of 800 x 800 cm

5.2.3 The color of the aprons shall be blue, pantone 299.

5.2.4 The Apron shall be a non-slippery material such as 18 ounces cotton canvas (18 oz/sq yard)

5.2.5 The floor shall be covered with felt, rubber or other suitably approved material that is soft quality and elasticity.

5.2.6 Shall not be less than 1.5cm and no more than 2.0cm.

5.3 Ring skirts

5.3.1 The color of all skirts shall be blue, pantone 299.

5.3.2 The height of each skirt shall be 1m.

5.3.3 The material of the skirts should be Tapoline.

5.3.4 All skirts shall be separately connected by Velcro should not be made of one long skirt with 31m20, but 4 separate 7m80 .

5.3.5 The edge of the aprons and the top of the skirts should also be connected with Velcro.

5.4 Corner pad

5.4.1 The material of the pads' cover shall be tapoline.

5.4.2 The inside of the corner pads shall consist of foam and steel .

5.4.3 There shall be three different colored pads as follows

- a) 1 Red corner which should be red (185C).
- b) 1 Blue corner which should be blue (286C).
- c) 2 Neutral corners which should be white .

5.4.4 The corner pads shall not touch the canvas or the aprons.

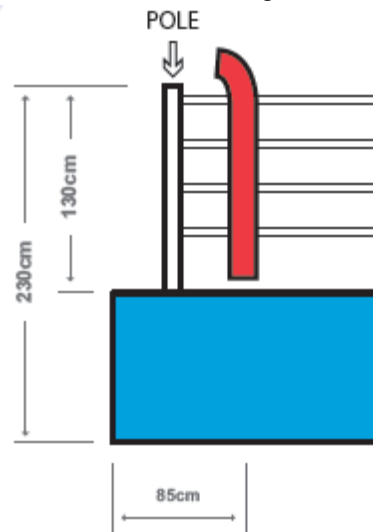
5.4.5 The length of the corner pads shall cover all ropes .

5.5 Poles

5.5.1 The total height of the poles shall be 230cm.

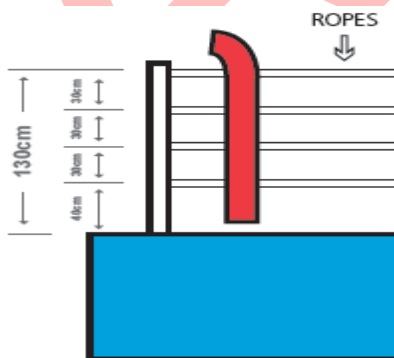
5.5.2 The height of the pole above the canvas shall be 130cm.

- 5.5.3 The bottom part of each pole should be covered by foam (1m from the ground).
- 5.5.4 There shall be a steel pole inside the form.
- 5.5.5 The location of the poles shall be 35cm inside the edge of the ring.



5.6 Ropes

- 5.6.1 The ropes shall be covered by a thick padding
- 5.6.2 The ring shall include four (4) separate ropes on each side of the corner posts.
- 5.6.3 The rope shall be 4cm thick, without considering the cover
- 5.6.4 The heights of the four (4) ropes shall be 40cm, 70cm, 100cm, and 130cm above the canvas as indicated in figure below.



- 5.6.5 The material of all rope covers should be Tapoline
- 5.6.6 Ropes should be white.
- 5.6.7 The tension of each section of the top two ropes shall be tight enough
- 5.6.8 The tension of bottom two shall not be too tight

5.7 Rope stripes

- 5.7.1 The four (4) ropes shall be joined on each side of the ring, at equal intervals, by two (2) pieces of material (close to the texture of the canvas) 3 to 4cm wide.
- 5.7.2 The two (2) pieces shall not slide along the rope .
- 5.7.3 In addition to the stripes, there should be 3 Velcro stripe holders.
- 5.7.4 The color of all stripes and of the Velcro stripe holders should be white .
- 5.7.5 The material of all stripes should be Tapoline.

5.8 Stairs (figure)

5.8.1 The stairs should have only 3 steps.

5.8.2 There should be 3 stairs.

5.8.3 The color of the 3 stairs should be:

- a) One red (PANTONE 185C), for boxer
- b) One blue (PANTONE 286C) for boxer and
- c) One white for the referee

5.8.4 The total height of the stairs should be 75 cm.

5.8.5 The width of the steps should be 80cm.

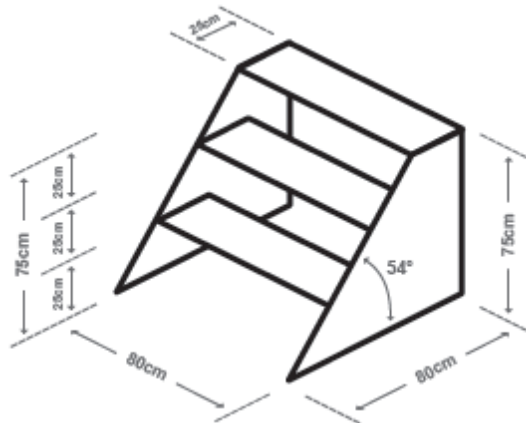
5.8.6 The angle of inclination of the steps should be 54 degrees

5.8.7 The stairs should be made of FRP material

5.8.8 The steps should be anti slipping.

5.8.9 The stairs shall not be fixed to the ring.

5.8.10 The stairs shall be moveable.



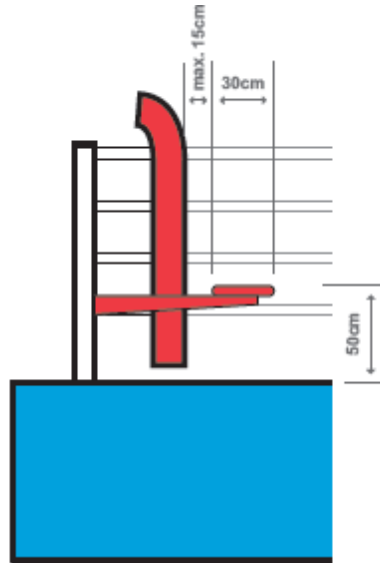
5.9 Corner's chair

5.9.1. The two corner chairs shall be swing chairs to come in and out of the ring by being attached to the poles.

5.9.2. Each chair shall be displayed in blue (PANTONE 286C) or red (PANTONE 185C) according to their respective corner color.

5.9.3. The maximum distance between the chairs and the corner pads shall be 15cm.

5.9.4. The diameter of each chair should be 25cm.



5.10 Spit containers

- 5.10.1 The container should be made of plastic material and displayed in red (PANTONE 185C) or blue (PANTONE 286C) color.
- 5.10.2 The maximum dimension shall be 25 centimeters.
- 5.10.3 The diameter of the container's tube shall not be larger than 15 millimeters.
- 5.10.4 The hose (or pile) shall be attached to the pole or ropes and be removable.
- 5.10.5 The hose should be colorized according to the red and blue corner.
- 5.10.6 In the two neutral corners outside the ring, a small plastic bag shall be fixed in which the referee shall drop the cotton or tissue pads used by him to nurse bleedings.

5.11 Logo and print

- 5.11.1 Only one manufacturer logo shall be displayed at the neutral corner, where there's no stairs.
- 5.11.2 Maximum size of manufacturer logo shall be 25cmx 25cm (625cm².)
- 5.11.3 Equipment official supplier layout should be provided by AIBA.
- 5.11.4 Any event logo shall be print on the middle of the canvas. In case of no event, printed consulting with AIBA.
- 5.11.5 Event logo maximum size shall be 200 x 200 cm.

5.12 Storage bags

- 5.12.1 The following parts should be stored properly in each storage bag with serial numbers
 - a) 1 ring skirt (4 parts)
 - b) 2 canvas
 - c) 2 apron
 - d) 4 ropes
 - e) 8 stripes with velcro stripe holders

6. Assembly guidelines

- 6.1 An introduction booklet for assembling the boxing ring shall be included in English or other native language.

Bibliography

1. AIBA International Amateur Boxing association rules

DRAFT

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- ❖ Facilitate the country's technology transfer through the use of standards,
- ❖ Develop national standards for local products and services so as to make them competitive in the international market.

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