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ICS 67.120

## **EAST AFRICAN STANDARD**

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**Gambrels for sheep and goats — Specification**

**EAST AFRICAN COMMUNITY**

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*Draft for comments only — Not to be cited as East African Standard*

## Foreword

Development of the East African Standards has been necessitated by the need for harmonizing requirements governing quality of products and services in East Africa. It is envisaged that through harmonized standardization, trade barriers which are encountered when goods and services are exchanged within the Community will be removed.

In order to meet the above objectives, the EAC Partner States have enacted an East African Standardization, Quality Assurance, Metrology and Test Act, 2006 (EAC SQMT Act, 2006) to make provisions for ensuring standardization, quality assurance, metrology and testing of products produced or originating in a third country and traded in the Community in order to facilitate industrial development and trade as well as helping to protect the health and safety of society and the environment in the Community.

East African Standards are formulated in accordance with the procedures established by the East African Standards Committee. The East African Standards Committee is established under the provisions of Article 4 of the EAC SQMT Act, 2006. The Committee is composed of representatives of the National Standards Bodies in Partner States, together with the representatives from the private sectors and consumer organizations. Draft East African Standards are circulated to stakeholders through the National Standards Bodies in the Partner States. The comments received are discussed and incorporated before finalization of standards, in accordance with the procedures of the Community.

Article 15(1) of the EAC SQMT Act, 2006 provides that "Within six months of the declaration of an East African Standard, the Partner States shall adopt, without deviation from the approved text of the standard, the East African Standard as a national standard and withdraw any existing national standard with similar scope and purpose".

East African Standards are subject to review, to keep pace with technological advances. Users of the East African Standards are therefore expected to ensure that they always have the latest versions of the standards they are implementing.

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## Introduction

In the preparation of this East African Standard, the following sources were consulted extensively:

IS 11631:1985(R2005), *Specification for Gambrels for Sheep and Goats*

Codex Alimentarius website: [http://www.codexalimentarius.net/mrls/pestdes/jsp/pest\\_q-e.jsp](http://www.codexalimentarius.net/mrls/pestdes/jsp/pest_q-e.jsp)

USDA Foreign Agricultural Service website: <http://www.mrlatabase.com>

USDA Agricultural Marketing Service website: <http://www.ams.usda.gov/AMSV1.0/Standards>

USDA Plant Inspectorate Service website: [http://www.aphis.usda.gov/import\\_export/plants](http://www.aphis.usda.gov/import_export/plants)

European Union: [http://ec.europa.eu/sanco\\_pesticides/public](http://ec.europa.eu/sanco_pesticides/public)

Assistance derived from these sources is hereby acknowledged.

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## Gambrels for sheep and goats — Specification

### 1 Scope

This East African Standard specifies the material, dimensions and other requirements for gambrels for sheep and goats used in semi-automatic abattoirs.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CAC/RCP 1, *Recommended international code of practice — General principles of food hygiene*

CD-K-670:2010, *Bovine (beef) meat — Carcasses and cuts*

CD-K-671:2010, *Caprine (goat) meat — Carcasses and cuts*

CD-K-672:2010, *Ovine (sheep) meat — Carcasses and cuts*

CD-K-673:2010, *Porcine (pig) meat — Carcasses and cuts*

CD-K-675:2010, *Edible meat co-products*

CD-K-697:2010, *Code of hygienic practice for meat*

CD/K/700:2010, *Ante-mortem and post-mortem inspection of meat animals — Code of practice*

EAS 11, *Galvanized plain and corrugated iron sheets — Specification*

ISO 630-1, *Structural steels — Part 1: Plates, wide flats, bars, sections and profiles*

ISO 2937, *Plain end seamless steel tubes for mechanical application*

ISO 11972, *Corrosion-resistant cast steels for general applications*

ISO 11973, *Heat-resistant cast steels and alloys for general applications*

ISO 16143-1, *Stainless steels for general purposes — Part 1: Flat products*

ISO 16143-2, *Stainless steels for general purposes — Part 2: Semi-finished products, bars, rods and sections*

### 3 Description

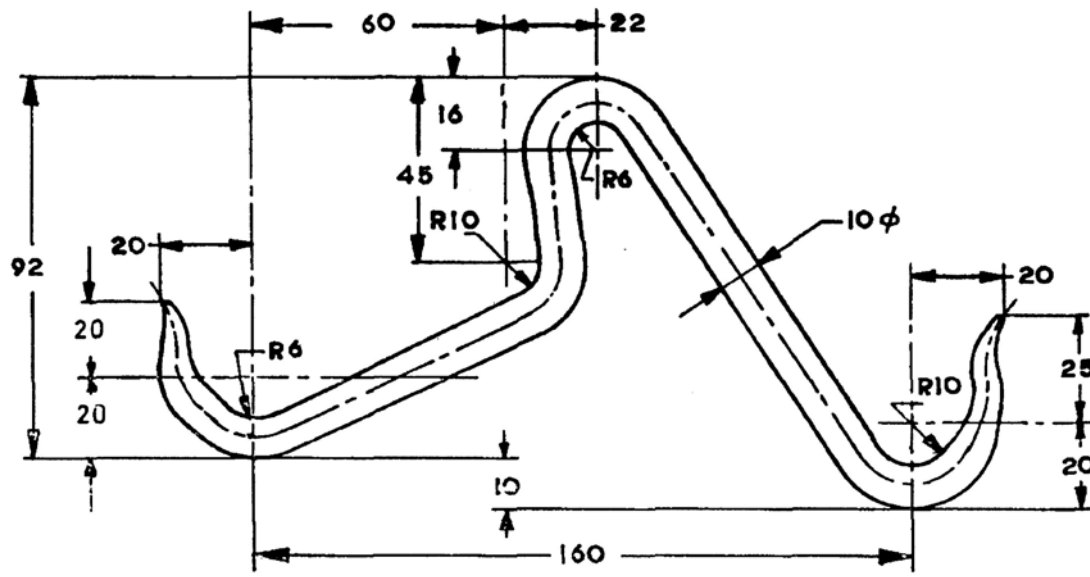
Gambrel shall be of a rod curved at an angle at both ends.

### 4 Material

The gambrels for sheep and goats shall be constructed from mild steel (ISO 630) or stainless steel (see ISO 16143).

### 5 Shape and dimensions

5.1 The shape and dimensions of the gambrel shall be as given in Figure 1.



All dimensions in millimetres

Figure 1 — Dimensions of gambrel for sheep and goats

5.2 The tolerance for the various dimensions shall be  $\pm 5$  percent.

## 6 Constructional requirements

6.1 The mass of a gambrel for sheep and goat shall be 300 g  $\pm 5$  percent.

6.1.1 Gambrels shall be of uniform mass and the mass of each gambrel shall not vary by more than 5 percent-of the nominal mass.

6.2 The gambrel shall not bend when weighed with a load of 100 kg  $\pm 5$  percent.

6.3 The gambrel shall move freely on the hook.

6.4 The end hooks of the gambrel rod shall be smoothly pointed.

## 7 Workmanship and finish

7.1 The gambrel for sheep and goats shall hang horizontally.

7.2 The gambrels shall be free from flaws, burrs, pits and sharp edges. The mild steel gambrels shall be hot dip galvanized for protection from rust and corrosion.

## 8 Marking

8.1 Each gambrel for sheep and goat shall be marked with the following information:

- Manufacturer's name or trade-mark, if any;
- Year of manufacture;
- Batch or code number; and
- Nominal mass of the gambrel.

8.1.1 The marking shall be done at an appropriate and visible place.

8.1.2 **Certification marking** — The product may be marked with a certification mark.

## 9 Packing

The gambrel for sheep and goats shall be packed for safe handling in transit as agreed to between the manufacturer and the purchaser.

## 10 Sampling

The method for drawing representative samples of gambrels for sheep and goats and the criteria for conformity shall be as given in Annex A.

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**Annex A**  
(normative)

**Sampling of gambrels for sheep and goats**

**A.1 Scale of sampling**

**A.1.1 Lot** — In any consignment of the gambrels for sheep and goats of the same type, shape, size and belonging to the same batch of manufacture shall be grouped together to constitute a lot.

**A.1.2** For ascertaining the conformity of the material to the requirements of this specification, samples shall be tested from each lot separately.

**A.1.3** The number of gambrels for sheep and goats to be selected from a lot shall depend on the size of the lot and shall be according to col 1 and 2 of Table 1.

**Table 1 — Scale of sampling and permissible number of defectives**

Number of gambrels for sheep and goats in a lot	For visual and dimensional tests		Number of gambrels in the sub-sample for bend test
	Sample size	Permissible number of defectives	
(1)	(2)	(3)	(4)
Up to 100	5	0	2
101 to 300	13	1	2
301 to 500	32	3	3
501 to 1000	50	5	5
1001 and above	80	7	8

**A.1.3.1** These gambrels for sheep and goats shall be selected at random from the lot.

**A.2 Number of tests and criteria for conformity**

**A.2.1** All gambrels for sheep and goats selected according to A.1.3 shall be examined for all the visual and dimensional requirements (see 5.1, 6.1, 6.3, 6.4, 7.1 and 7.2). A gambrel failing to satisfy any one or more of these requirements shall be considered as defective. The lot shall be considered as conforming to these requirements if the number of defectives found in the sample is less than or equal to the corresponding number of permissible number of defectives given in col 3 of Table 1.

**A.2.2** The lot having been found satisfactory according to A.2.1 shall be further subjected to bend test given in 6.2. For this purpose, a sub-sample of size given in col 4 of Table 1 shall be taken from the lot. These gambrels may be selected from those already examined according to A.2.1 and found satisfactory. The lot shall be declared as conforming to the requirements of this specification if none of the gambrels subjected to the bend test fails to satisfy the requirements of this test.

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