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EAST AFRICAN STANDARD

Folding type beehive stand — Specification

EAST AFRICAN COMMUNITY

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

Beehives are kept on stands to protect bee colonies from ants and to protect boxes from termites, etc. Beekeeping industry is now gradually switching over from stationary type to migratory type of beekeeping. Particularly while using bee-colonies for pollination of agricultural crops bee colonies are migrated to farms for a short duration. Even in their permanent honey-flow sites bee-colonies are required to be migrated locally for deriving maximum benefit of the flora. A portable stand, particularly a folding one, therefore, forms an essential accessory of the beehive. The stand should be strong but light, compact and handy for easy transportation.

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

IS 1735-1:1977(R2004), *Specification for Beehive Stand — Part 1: Folding Type*

Codex Alimentarius website: http://www.codexalimentarius.net/mrls/pestdes/jsp/pest_q-e.jsp

USDA Foreign Agricultural Service website: <http://www.mrldatabase.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

European Union: http://ec.europa.eu/sanco_pesticides/public

Assistance derived from these sources is hereby acknowledged.

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Folding type beehive stand — Specification

1 Scope

This standard specifies the requirements of folding type mild steel stand used for keeping beehives in the field.

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.

ISO 6362-3, *Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles — Part 3: Extruded rectangular bars — Tolerances on shape and dimensions*

ISO 6362-5, *Wrought aluminium and aluminium alloy extruded rods/bars, tubes and profiles — Part 5: Extruded round, square and hexagonal bars — Tolerances on shape and dimensions*

ISO 6362-6, *Wrought aluminium and aluminium alloys — Extruded rods/bars, tubes and profiles — Part 6: Round, square, rectangular and hexagonal tubes — Tolerances on shape and dimensions*

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*

ISO 16143-3, *Stainless steels for general purposes — Part 3: Wire*

ISO 657, *Hot-rolled steel sections*

3 Sizes

The sizes of the folding iron stand shall be as shown in Figure 1.

4 Material

The folding iron stand shall be constructed from 20 mm diameter mild steel tube of 2 mm thickness. Nuts and bolts used shall be of the size shown in Figure 1. The legs shall be fitted with suitable rubber paddings.

5 Construction details

The pieces of tubes should be bent in U-shape as per the sizes shown in Figure 1. Two small pieces of tubes should be welded at the ends at the distance shown in the figure to the bent U-tube of shorter height so as to bring its total height equal to the taller one. A piece of tube should also be welded to the legs of the bent tubes to keep the legs in position. A hole of appropriate size should be drilled exactly in the centre of the bent tubes as well as in the pieces of the tubes welded on both the main bent tubes. These should then be joined together by bolt and nuts of appropriate size. The rubber paddings should be fitted to all the four ends of the tube. These ends should serve as legs of the stand.

6 Shape and design

The folding stand shall be, as far as possible, of the shape and dimensions as given in Figure 1.

7 Workmanship and finish

7.1 The stand shall be finished properly. The welding shall be satisfactory and the drilling of holes shall be exactly in the centre of the length of the bent tubes. The stand shall be symmetrical on both sides and shall stand firm on the ground.

7.2 The stand should be suitably coated with protective paint.

8 Marking

8.1 Each folding beehive stand shall be marked with the following particulars:

- a) Manufacturer's name and the trade-mark,
- b) Year of manufacture, and
- c) Batch and serial or code number.

8.2 The stand may also be marked with a Certification Mark.

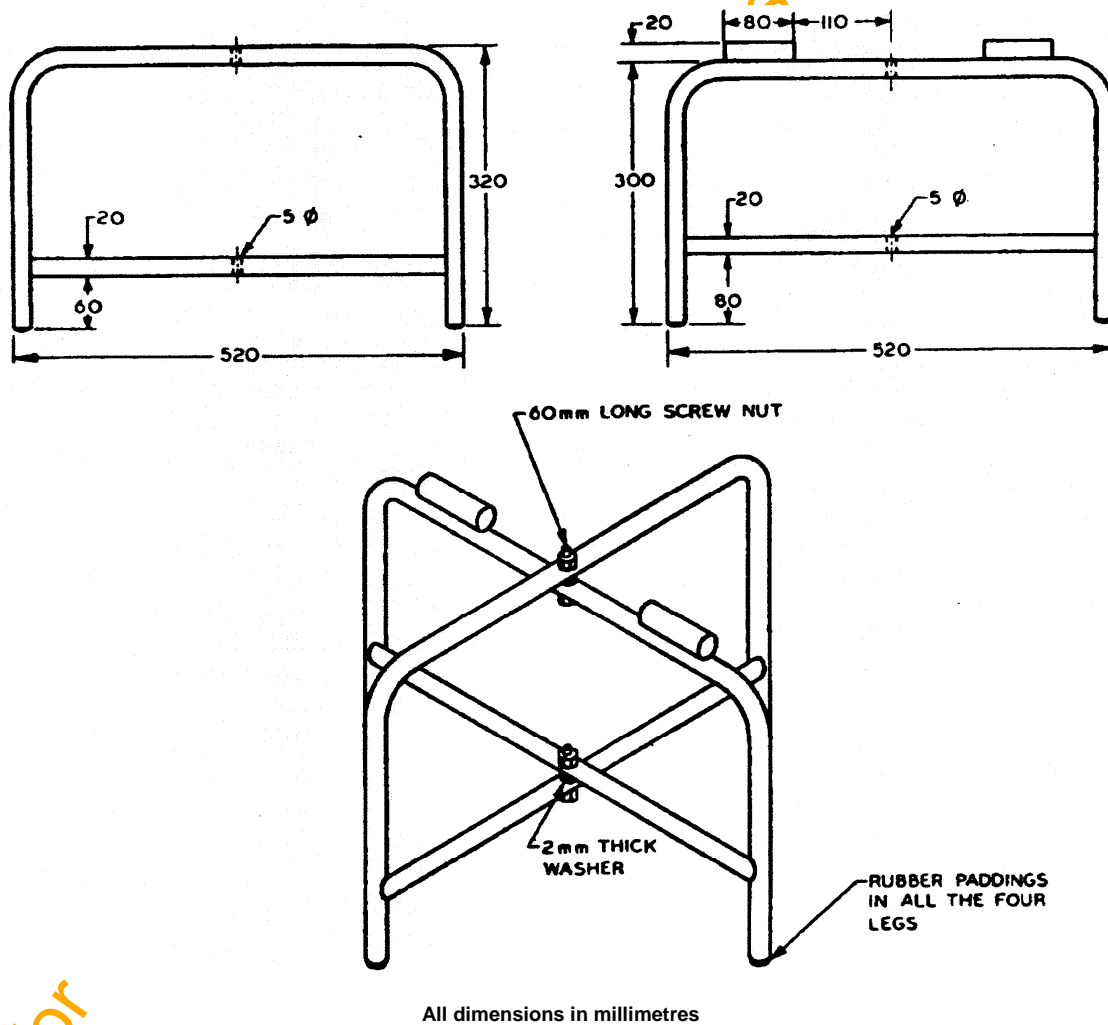


Figure 1 — Beehive stand, folding type



Figure 2 — Beehive stand, folding type

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