
**Sewing machines needles – Fitting
dimensions – Tolerances and
combinations**

(Identical with ISO 8239:1987)

ICS: 61.080

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Foreword

This Ethiopian Standard has been prepared under the direction of Technical Committee for Made-up-textiles & Ready-Made Garments(TC 72) and published by the Ethiopian Standards Agency (ESA).

The standard is identical with ISO 8239:1987 *Sewing machines needles – Fitting dimensions – Tolerances and combinations*, published by the International Organization for Standardization(ISO).

This Ethiopian Standard cancels and replaces ES ISO 8239:2015 Sewing machines needles – Fitting dimensions *Tolerances and combinations*

For the purpose of this Ethiopian Standard , the adopted ISO text shall be modified as follows:

- The phrase “International Standard” shall be read as “Ethiopian Standard” and
- A full stop (.) shall substitute comma (,) as decimal maker.

Sewing machine needles — Fitting dimensions — Tolerances and combinations

1 Scope and field of application

This International Standard specifies the fitting dimensions of needles and needle holders for sewing machines. It defines general terms for sewing machine needles and specifies the tolerances for their fit in the needle holder of a sewing machine.

In addition to the ranges of dimensions for the nominal shank diameter and the length from butt to eye, this International Standard also indicates the preferred combinations of these two dimensions. In order to ensure the interchangeability and to reduce the variety of needles these should serve as a guide

when designing new sewing machines and/or sewing machine needles.

NOTE — Those tolerances and combinations at present in use but not given in this International Standard are still valid. Nevertheless the purpose is to limit the number of combinations and tolerances. When designing new sewing machines and/or sewing machine needles, they should be to these tolerances and combinations, the use of which will reduce the unnecessary variety now on the market.

2 Reference

ISO 286, *ISO system of limits and fits*.

Organization and Objectives

The Ethiopian Standards Agency (ESA) is the national standards body of Ethiopia established in 2010 based on regulation No. 193/2010. ESA is established due to the restructuring of Quality and Standards Authority of Ethiopia (QSAE) which was established in 1998.

ESA's objectives are:-

- ❖ Develop Ethiopian standards and establish a system that enable to check whether goods and services are in compliance with the required standards,
- ❖ 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.

Ethiopian Standards

The Ethiopian Standards are developed by national technical committees which are composed of different stakeholders consisting of educational institutions, research institutes, government organizations, certification, inspection, and testing organizations, regulatory bodies, consumer association etc. The requirements and/or recommendations contained in Ethiopian Standards are consensus based that reflects the interest of the TC representatives and also of comments received from the public and other sources. Ethiopian Standards are approved by the National Standardization Council and are kept under continuous review after publication and updated regularly to take account of latest scientific and technological changes. Orders for all Ethiopian Standards, International Standard and ASTM standards, including electronic versions, should be addressed to the Documentation and Publication Team at the Head office and Branch (Liaisons) offices. A catalogue of Ethiopian Standards is also available freely and can be accessed in from our website.

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International Involvement

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