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BUREAU OF INDIAN STANDARDS
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Draft Indian Standard

Household and Similar Electrical Appliances – Safety –Part 2-37: Particular Requirements for Commercial Electric Doughnut Fryers and Deep Fat Fryers

(ICS 97.040.50)

Electrical Appliances Sectional Committee, ETD 32	Last date of comments: **08 November 2025**

NATIONAL FOREWORD

This draft Indian Standard (Second Revision) which is identical with IEC 60335-2-37:2021 "Household and similar electrical appliances – Safety –Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers" issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Electrical Appliances Sectional Committee and approval of the Electrotechnical Division Council.

This standard is to be used in conjunction with IS 302 (Part 1): 2024, Household and Similar Electrical Appliances — Safety Part 1 General Requirements (Seventh Revision).

NOTE — When "Part 1" is mentioned in this standard, it refers to IS 302 (Part 1).

This standard supplements or modifies the corresponding clauses in IS 302 (Part 1), so as to convert that standard: Particular requirements for commercial electric doughnut fryers and deep fat fryers.

When a particular subclause of Part 1 is not mentioned in this standard, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

NOTES

1 The following numbering system is used:

a) subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
b) unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
c) additional annexes are lettered AA, BB, etc.

2 The following print types are used:

a) requirements: in roman type;
b) test specifications: in italic type;
c) notes: in small roman type.

Should however, any deviation exist between IS 302 (Part 1):2024 and this standard, the provisions of the latter shall apply.

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
IEC 60584-1, Thermocouples – Part 1: EMF specifications and tolerances	IS 16923 (Part 1) : 2018 IEC 60584-1 : 2013, Thermocouples Part 1 EMF Specifications and Tolerances (*First Revision*)	Identical
ISO 3506-1, Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 1: Bolts, screws and studs with specified grades and property classes	IS 1367 (Part 14/Sec 1):2023 ISO 3506-1 : 2020 Technical Supply Conditions for Threaded Steel Fasteners Part 14 Mechanical Properties of Corrosion-resistant Stainless Steel Fasteners Section 1 Bolts screws and studs with specified grades and property classes (Fifth Revision of IS 1367(Part 14 Sec 1))	Identical
ISO 3506-2, Fasteners – Mechanical properties of corrosion-	IS 1367 (Part 14/Sec 2):2023 ISO 3506-2 : 2020 Technical Supply	Identical

resistant stainless steel fasteners – Part 2: Nuts with specified grades and property classes	Conditions for Threaded Steel Fasteners Part 14 Mechanical Properties of Corrosion-resistant Stainless steel Fasteners Section 2 Nuts with specified grades and property classes	
ISO 3506-3, Mechanical properties of corrosion-resistant stainless steel fasteners – Part 3: Set screws and similar fasteners not under tensile stress	IS 1367 (Part 14/Sec 3) : 2018 ISO 3506-3 : 2009, Technical supply conditions for threaded steel fasteners: Part 14 mechanical properties of corrosion - Resistant stainless steel fasteners section 3 set screws and similar fasteners not under tensile stress (Fourth Revision)	Identical
ISO 3506-4, Mechanical properties of corrosion-resistant stainless steel fasteners – Part 4: Tapping screws	IS 1367 (Part 14/Sec 4) : 2023 ISO 3506-4 : 2009, Technical Supply Conditions for Threaded Steel Fasteners Part 14 Mechanical Properties of Corrosion Resistant Stainless Steel Fasteners Section 4 Tapping Screws	Identical

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

International Standard	*Title*
ISO 898-1	Mechanical properties of fasteners made of carbon steel and alloy steel – Part 1: Bolts, screws and studs with specified property classes – Coarse thread and fine pitch thread

This standard is one among the IS 302 series of Indian Standards on safety of household and similar electrical appliances. Part 1 of the series specifies the general requirements, and sections of Part 2 of the series specify the particular requirements for the safety of different types of household and similar electrical appliances. Information on IS 302 (Part 1) and all sections of the IS 302 (Part 2) series, published under the general title 'Household and similar electrical appliances — Safety', can be accessed from the BIS website www.bis.gov.in.

Only the English language text has been retained while adopting it in this Indian Standard, and as such, the page numbers given here are not the same as in the IEC Publication.

India specific changes have been made to the adopted IEC 60335-2-37 as outlined in National Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or analysis shall be rounded off in accordance with IS 2:2022 'Rules for rounding of numerical values (*Second Revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

NOTE — The technical content of this document has not been enclosed as it is identical with the corresponding IEC standard. For details, please refer the corresponding IEC 60335-2-37: 2021 or kindly contact:

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NATIONAL ANNEX A

(*National Foreword*)

The National Annex A of Part 1 is applicable.