

**Conduits for electrical purposes - Outside diameters of
conduits for electrical installations and threads for
conduits and fittings**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60423:2002 sisaldab Euroopa standardi EN 60423:1994 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 18.12.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 60423:2002 consists of the English text of the European standard EN 60423:1994.

This standard is ratified with the order of Estonian Centre for Standardisation dated 18.12.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

ICS 29.120.10

accessories, conduits, diameter, dimensions, electric conduits, electrical engineering, electrical installations, gauges, measurement, metric screw threads, outside diameters, pipes, pipes : tubes, threads, tolerances, tolerances (measurement)

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

Right to reproduce and distribute belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without permission in writing from Estonian Centre for Standardisation.

If you have any questions about standards copyright, please contact Estonian Centre for Standardisation:
Aru str 10 Tallinn 10317 Estonia; www.evs.ee; Phone: 605 5050; E-mail: info@evs.ee

UDC 621.315.671:696.6:621.882.082.1

ICS 29.120.10

Supersedes IHD 393 S1 : 1979

Descriptors: Electrical installation, electric conduit, equipment specification, diameter, screw thread

English version

Conduits for electrical purposes — Outside diameters of conduits for electrical installations and threads for conduits and fittings

(IEC 423 : 1993, modified)

Conduits de protection des conducteurs —
Diamètres extérieurs des conduits pour
installations électriques et filetages pour
conduits et accessoires
(CEI 423 : 1993, modified)

Elektroinstallationsrohre —
Außendurchmesser von
Elektroinstallationsrohren und Gewinde für
Elektroinstallationsrohre und deren Zubehör
(IEC 423 : 1993, modifiziert)

This European Standard was approved by CENELEC on 1994-10-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The text of the International Standard IEC 423 : 1993, prepared by Subcommittee 23A, Conduits for electrical purposes, of IEC Technical Committee 23, Electrical accessories, together with the common modifications prepared by Technical Committee CENELEC TC 113, Cable management, was submitted to the Unique Acceptance Procedure and approved by CENELEC as EN 60423 on 4 October 1994.

This European Standard supersedes HD 393 S1 : 1979.

The following dates were fixed.

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1995-07-01
- latest date by which national standards conflicting with the EN have to be withdrawn (dow) 1995-07-01

For products which have complied with HD 393 S1 : 1979 before 1995-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-07-01.

Annexes designated 'normative' are part of the body of the standard. In this standard, annex ZA which has been added by CENELEC, is normative.

Introduction

The mechanical performance of the threadable parts of the conduit system will be a function of material and wall thickness which is specified in the appropriate product standard (IEC 1035-2 or IEC 614-2).

This document is a preview generated by EVS

CONTENTS

	Page
INTRODUCTION	2
Clause	
1 Scope	4
2 Normative references	4
3 Outside diameters and threads	4
4 Gauges	4
5 Samples of conduit	4
Figures	8
Annex ZA (normative) Normative references to international publications with their corresponding European publications	14

This document is a preview generated by EVS

**CONDUITS FOR ELECTRICAL PURPOSES –
OUTSIDE DIAMETERS OF CONDUITS
FOR ELECTRICAL INSTALLATIONS
AND THREADS FOR CONDUITS AND FITTINGS**

1 Scope

This International Standard specifies outside diameters for conduits used in electrical installations and the dimensional requirements for threads. It also specifies the dimensional requirements for threads used in associated fittings.

It is not applicable to extra-heavy duty rigid steel conduits specified in IEC 981.

2 Normative references

NOTE: Normative references to international publications are listed in annex ZA (normative).

3 Outside diameters and threads

The outside diameters, tolerances and details of external and internal metric threads are given in table 1. Details of the thread form are given in figure 1, which is based on ISO 68.

4 Gauges

Details of gauges for checking the maximum outside diameter of conduits are given in figure 2. For the minimum outside diameters of conduits, details are given in figures 3a and 3b.

The dimensions of gauges for checking external threads are given in table 2, and these are in accordance with ISO 1502. The types of gauges are shown in figure 4.

The dimensions of gauges for checking internal threads are given in table 3, and these are in accordance with ISO 1502. The types of gauges are shown in figure 5.

5 Samples of conduit

The samples shall be approximately 500 mm in length.