



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 6414:2020

Technical product documentation (TPD) - Technical drawings for glassware (ISO 6414:2020)

Documentation technique de produits
(DTP) - Dessins techniques de verrerie
(ISO 6414:2020)

Technische Produktdokumentation
(TPD) - Technische Zeichnungen für
Glasgeräte (ISO 6414:2020)

01/2020



National Foreword

This European Standard EN ISO 6414:2020 was adopted as Luxembourgish Standard ILNAS-EN ISO 6414:2020.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

ILNAS-EN ISO 6414:2020

EUROPEAN STANDARD **EN ISO 6414**

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2020

ICS 01.100.99

Supersedes EN ISO 6414:1994

English Version

**Technical product documentation (TPD) - Technical
drawings for glassware (ISO 6414:2020)**

Documentation technique de produits (DTP) - Dessins
techniques de verrerie (ISO 6414:2020)

Technische Produktdokumentation (TPD) - Technische
Zeichnungen für Glasgeräte (ISO 6414:2020)

This European Standard was approved by CEN on 6 January 2020.

CEN 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 CEN-CENELEC Management Centre or to any CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

ILNAS-EN ISO 6414:2020 - Preview only Copy via ILNAS e-Shop

European foreword

This document (EN ISO 6414:2020) has been prepared by Technical Committee ISO/TC 10 "Technical product documentation" in collaboration with Technical Committee CEN/SS F01 "Technical drawings" the secretariat of which is held by CCMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2020, and conflicting national standards shall be withdrawn at the latest by July 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 6414:1994.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 6414:2020 has been approved by CEN as EN ISO 6414:2020 without any modification.

Technical product documentation (TPD) — Technical drawings for glassware

*Documentation technique de produits (DTP) — Dessins techniques de
verrerie*



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General	1
5 Sections	2
5.1 Small sections.....	2
5.2 The combination of different materials.....	3
6 Special glassware indications	3
6.1 Interchangeable conical ground joint.....	3
6.2 Interchangeable spherical ground joint.....	3
7 Thin walls	4
7.1 Drawing of wall thickness.....	4
7.2 Indication of diameter.....	6
8 Tubes	7
8.1 Ends of tubes.....	7
8.2 Simplified coiled tubes.....	7
9 Sintered filters	8
10 Joints	9
10.1 General joints.....	9
10.2 The specification of adhesive.....	9
10.3 General removable parts.....	10
10.4 Simplified drawing.....	11
11 Composite glassware	11
Bibliography	13