

Respiratory protective devices — Threads for facepieces —

Part 1: Standard thread connection

The European Standard EN 148-1:1999 has the status of a
British Standard

ICS 13.340.30

National foreword

This British Standard is the English language version of EN 148-1:1999.

The UK participation in its preparation was entrusted by Technical Committee PH/4, Respiratory protection, to PH/4/3, Facepieces, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 8, an inside back cover and a back cover.

This British Standard, having been prepared under the direction of the Sector Committee for Health and Environment, was published under the authority of the Standards Committee and comes into effect on 15 July 1999

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Amendments issued since publication

Amd. No.	Date	Comments

English version

Respiratory protective devices — Threads for facepieces — Part 1: Standard thread connection

Appareils de protection respiratoire — Filetages
pour pièces faciales — Partie 1: Raccord à filetage
standard

Atemschutzgeräte — Gewinde für
Atemanschlüsse — Teil 1: Rundgewindeanschluß

This European Standard was approved by CEN on 8 January 1999.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 79, Respiratory protective devices, the Secretariat of which is held by DIN.

This European Standard supersedes EN 148-1:1987.

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 August 1999, and conflicting national standards shall be withdrawn at the latest by August 1999.

It is identical to the 1987 edition which was approved under old CEN rules, with the approved Corrigendum EN 148-1:1987/AC:1992 incorporated (see heading column 4 in Table 3.1), but with no other technical changes.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of Directive 89/686/EEC.

For relationship(s) with EU Directive(s), see informative annex ZA, which is an integral part of this standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

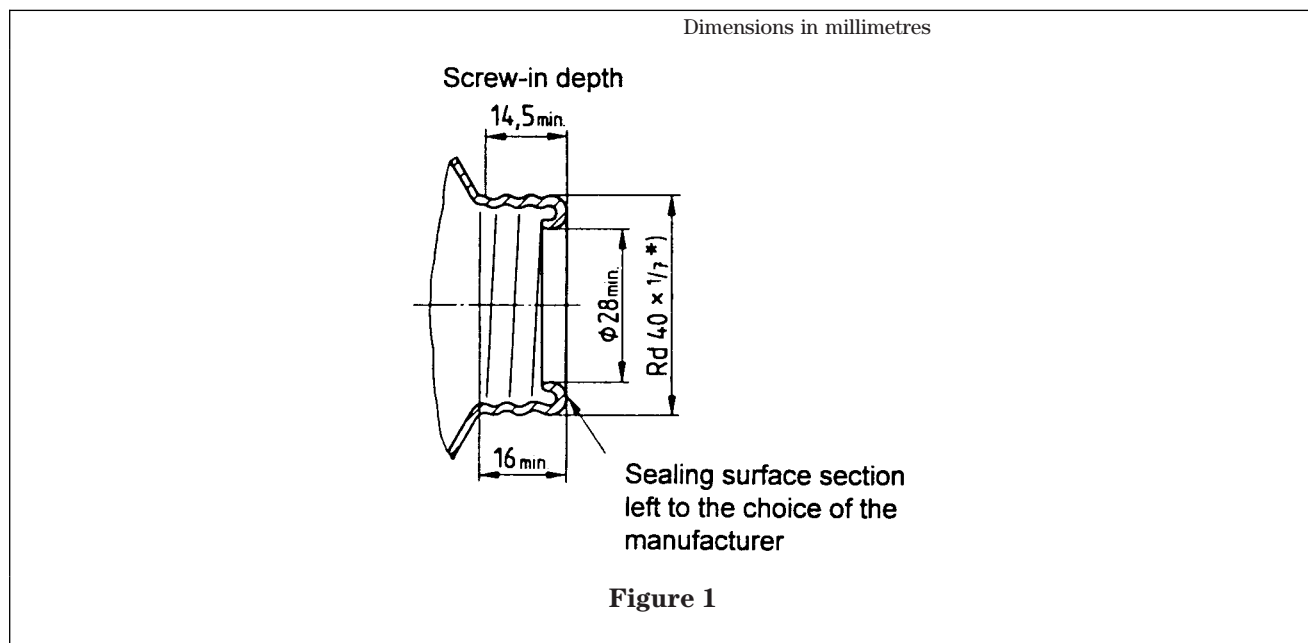
1 Scope

This European Standard is applicable to standard threads for respiratory protective devices. This standard does not apply to diving equipment and to positive pressure demand breathing apparatus.

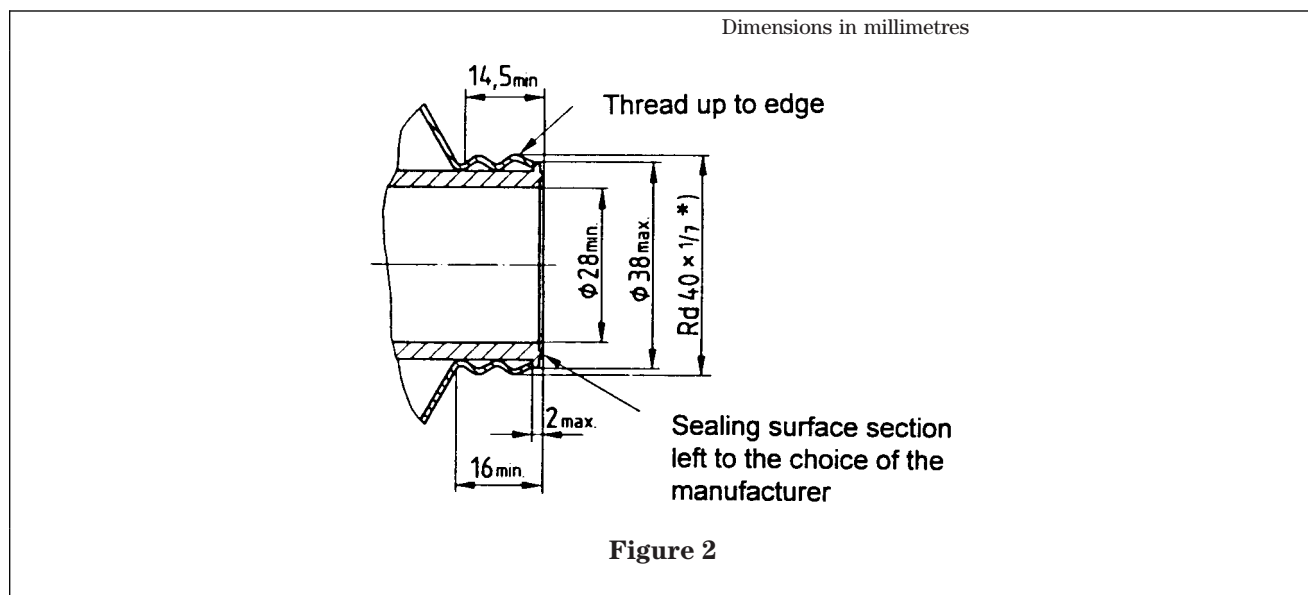
2 Standard thread connector (C)

2.1 External thread

2.1.1 Without socket for filters (CA)

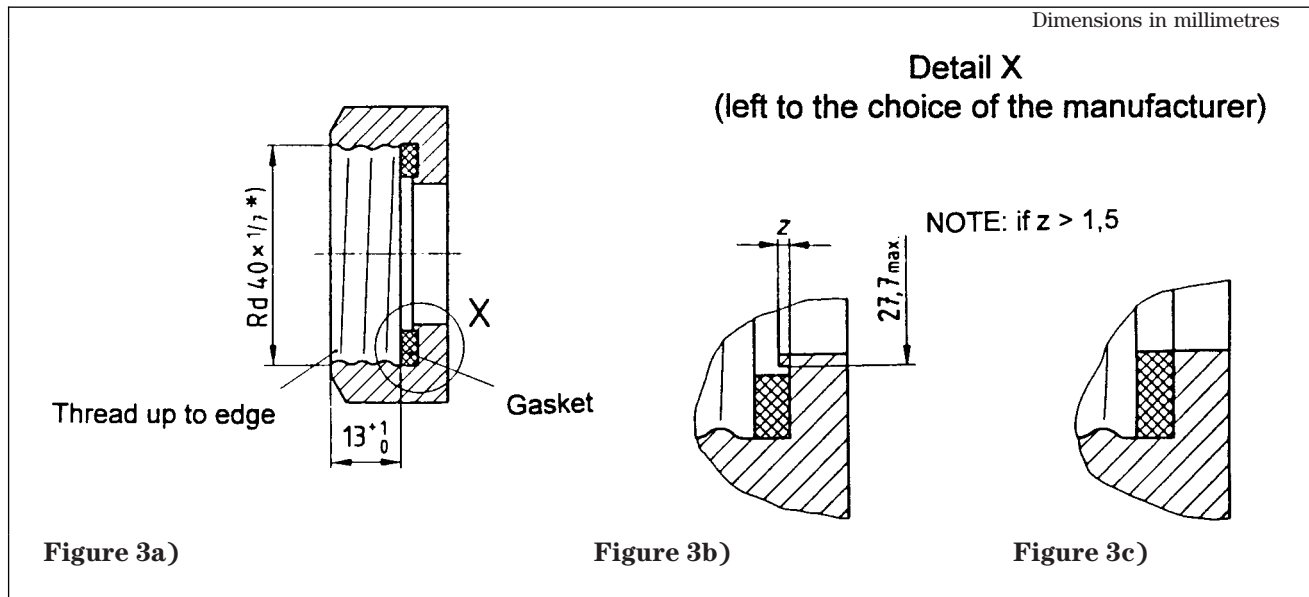


2.1.2 With socket for equipment connectors other than for filters (CAT)

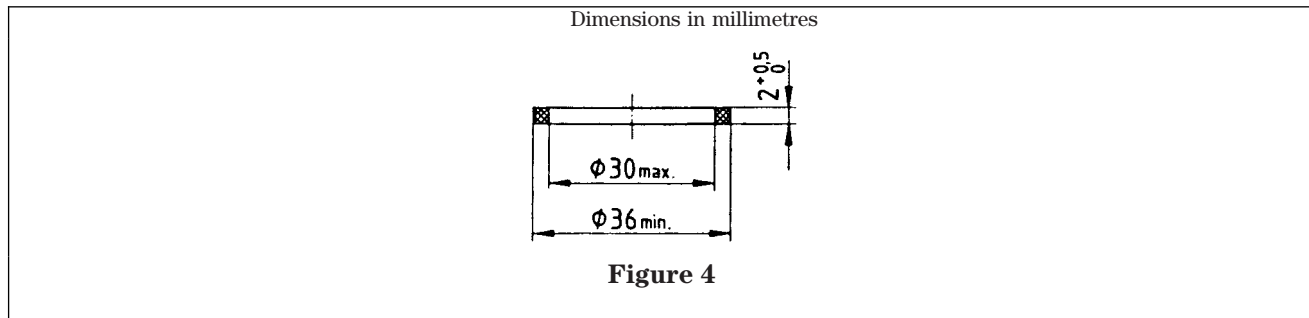


*) Specification see clause 3.

2.2 Internal thread

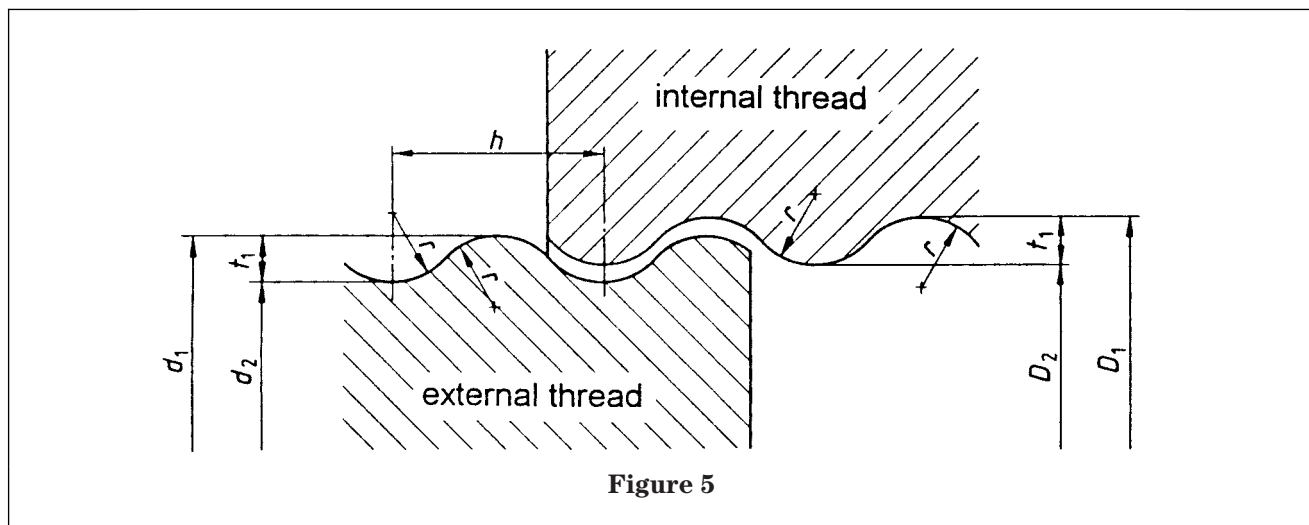


2.3 Gasket



3 Threads

3.1 Dimensions of threads



*) Specification see clause 3.

Table 1 — Thread limits

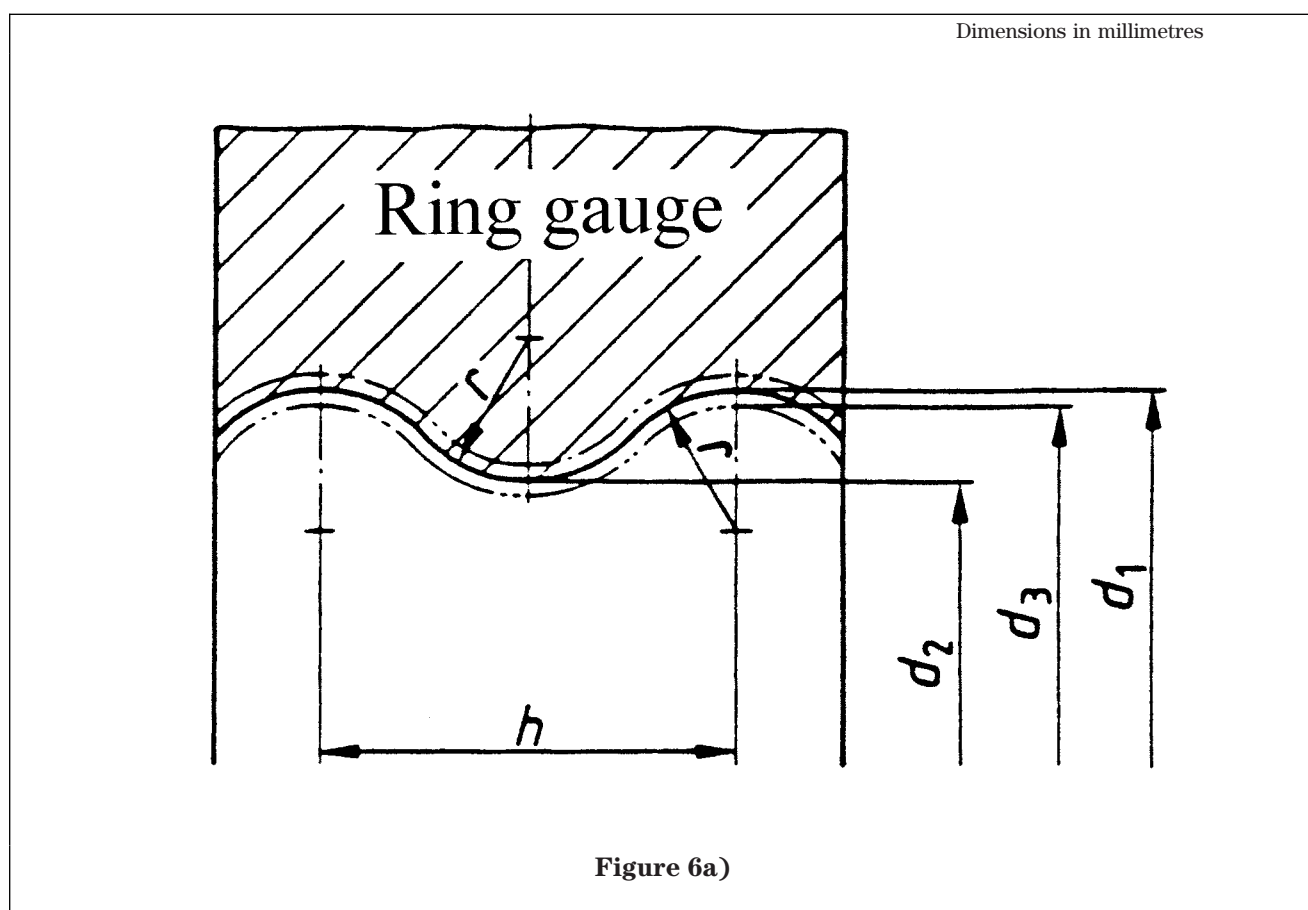
Dimensions in millimetres

Thread	Thread limits						Pitch h	Number of threads per 25,4 z	Thread height t_1	Radius r
	External thread			Internal thread						
	Major diameter d_1		Minor diameter d_2	Major diameter D_1		Minor diameter D_2				
	max.	min.	max.	min.	min.	max.				
Rd 40 × 1/7	40,00	39,70	38,40	40,16	38,56	38,86	3,629	7	0,8	1,225

3.2 Gauges for threads

The thread Rd 40 × 1/7 has to be checked with the following gauges.

3.2.1 Ring gauges for external thread



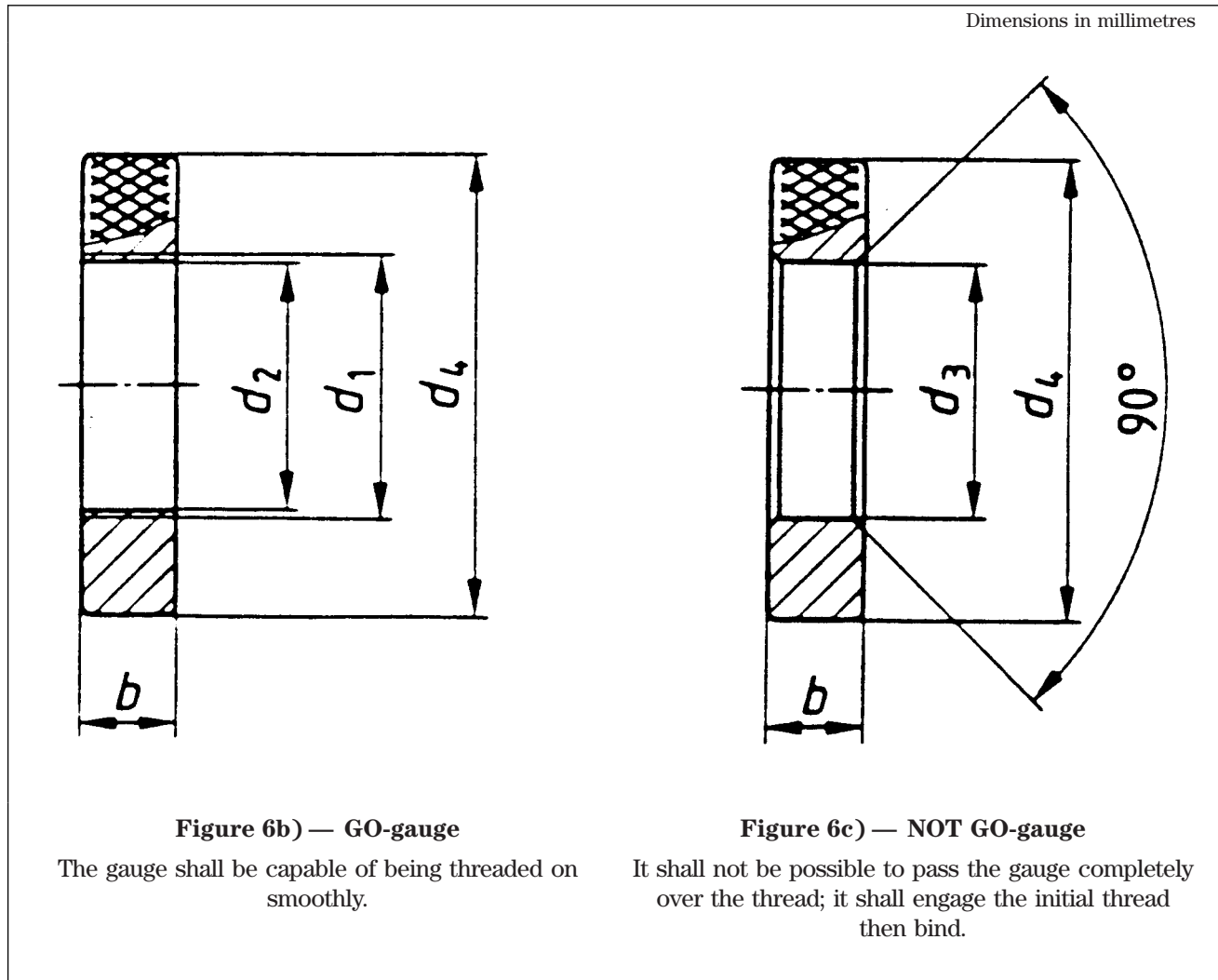


Table 2 — Dimensions of gauges

Dimensions in millimetres

Thread	GO-gauge							NOT GO-gauge			
	d_1 max.	d_2 max.	manufacturing tolerance for d_1 and d_2	permissible wear for d_1 and d_2	h	manufacturing tolerance for h	r	d_3	manufacturing tolerance for d_3	d_4	b
Rd 40 × 1/7	40,00	38,40	± 0,015	+ 0,050	3,629	± 0,009	1,225	39,70	± 0,006	72	15

3.2.2 Plug gauges for internal thread

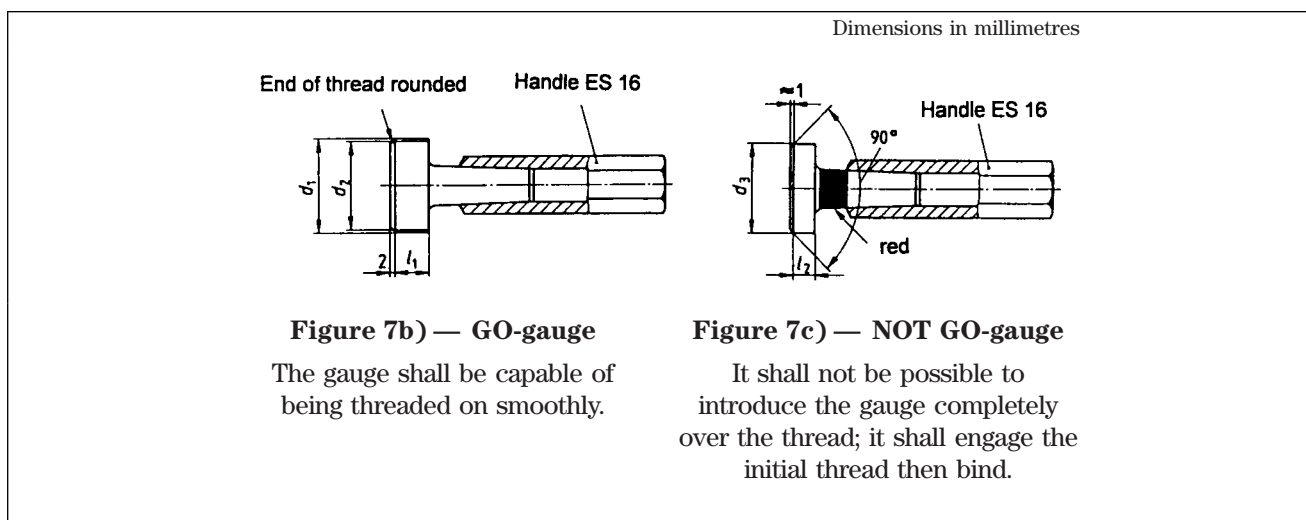
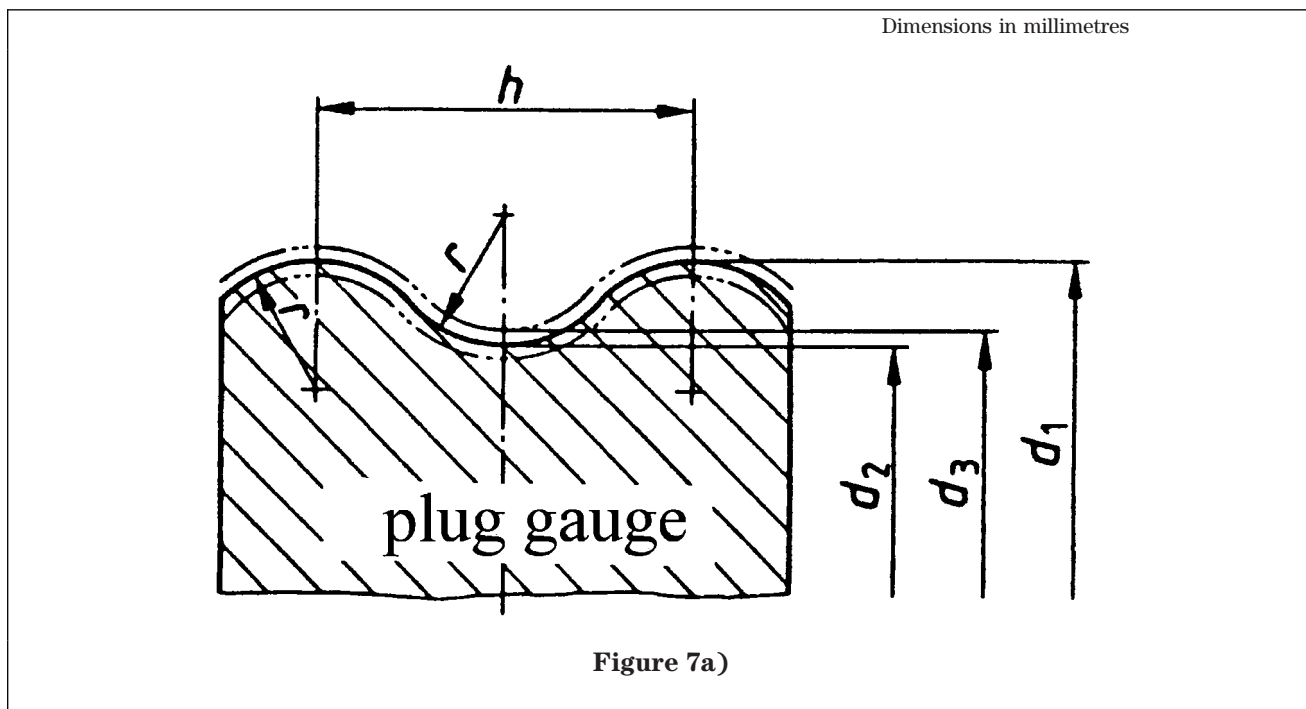


Table 3 — Dimensions of gauges

Dimensions in millimetres

Thread	GO-gauge							NOT GO-gauge			
	d_1 min.	d_2 min.	manufacturing tolerance for d_1 and d_2	permissible wear for d_1 and d_2	h	manufacturing tolerance for h	r	l_1	d_3	manufacturing tolerance for d_3	l_2
Rd 40 × 1/7	40,16	38,56	± 0,015	− 0,050	3,629	± 0,009	1,225	15	38,86	± 0,006	10

Annex ZA (informative)

Clauses of this European Standard addressing essential requirements or other provisions of EU Directives

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of EU Directive 89/686/EEC.

WARNING Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

The following clauses of this standard are likely to support requirements of Directive 89/686/EEC, Annex II:

EU Directive 89/686/EEC, Annex II:	Clauses of this standard:
1.2.1	2
1.3.3	2
2.8	2
2.10	2
3.10.1	2

Compliance with the clauses of this standard provides one means of conforming with the specific essential requirements of the Directive concerned and associated EFTA regulations.

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