



SLOVENSKI STANDARD

SIST EN 148-1:1999

01-julij-1999

Oprema za varovanje dihal – Navoji na maskah – 1. del: Standardna navojna povezava

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

Atenschutzgeräte - Gewinde für Atemanschlüsse - Teil 1: Rundgewindeanschluß

Appareils de protection respiratoire - Filetages pour pieces faciales - Partie 1: Raccord a filetage standard

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Ta slovenski standard je istoveten z: EN 148-1:1999

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ICS:

13.340.30	Varovalne dihalne naprave	Respiratory protective devices
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en

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EUROPEAN STANDARD

EN 148-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1999

ICS 13.340.30

Supersedes EN 148-1:1987

Descriptors: respiratory protective equipment, personal protective equipment, accident prevention, junctions, threaded fittings, screw threads, dimensions

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.

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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 in 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.

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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)

Dimensions in millimetres

2.1 External thread

2.1.1 Without socket for filters (CA)

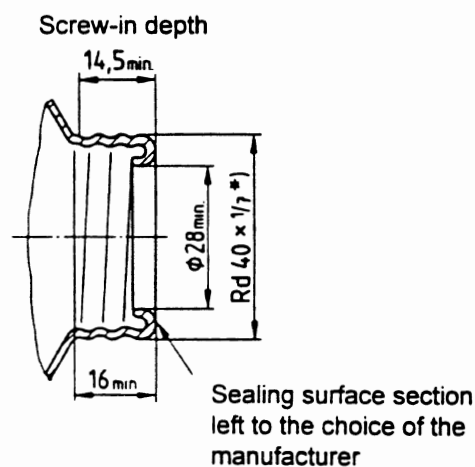


Figure 1

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

Dimensions in millimetres

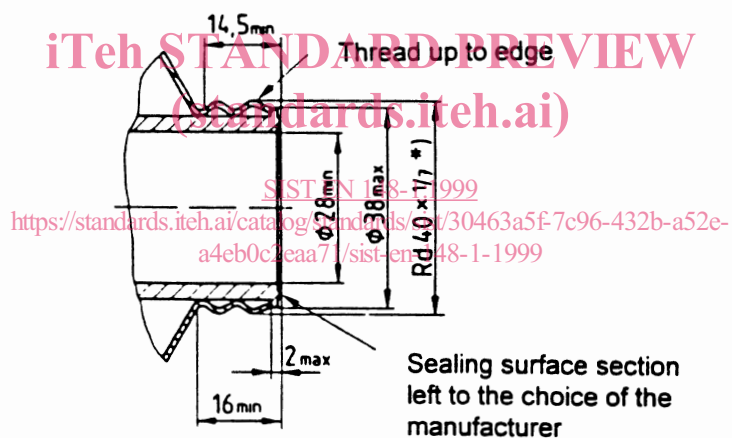


Figure 2

*) Specification see clause 3

2.2 Internal thread

Dimensions in millimetres

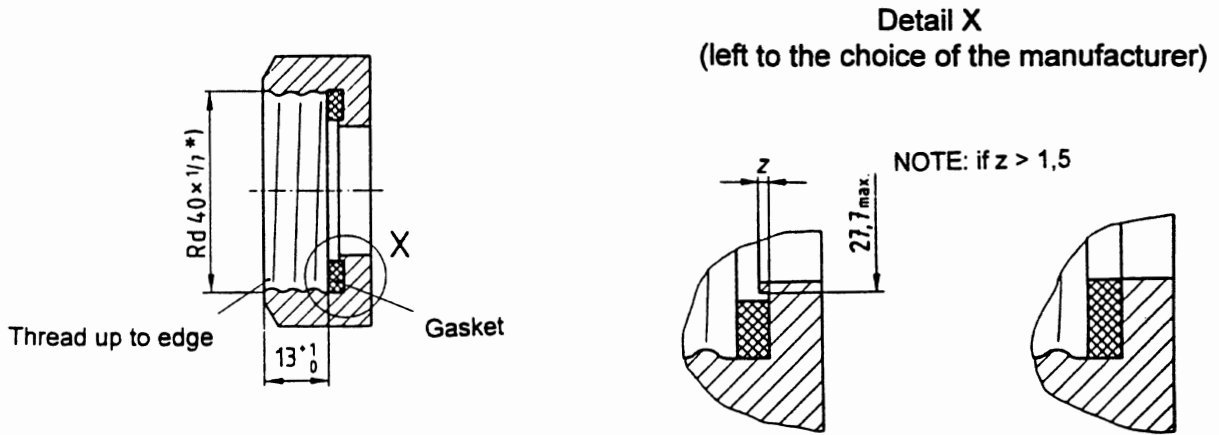


Figure 3a)

Figure 3b)

Figure 3c)

Dimensions in millimetres

2.3 Gasket

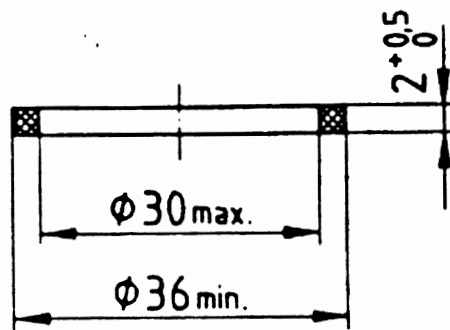


Figure 4

3 Threads

3.1 Dimensions of threads

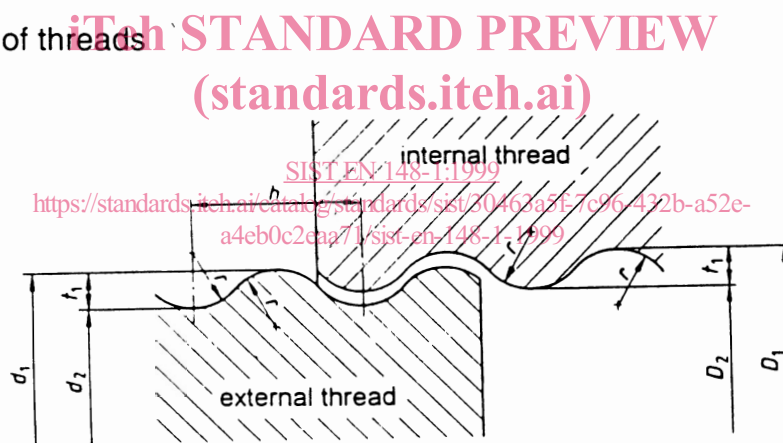


Figure 5

*) 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 x 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 x 1/7 has to be checked with the following gauges:

3.2.1 Ring gauges for external thread

Dimensions in millimetres

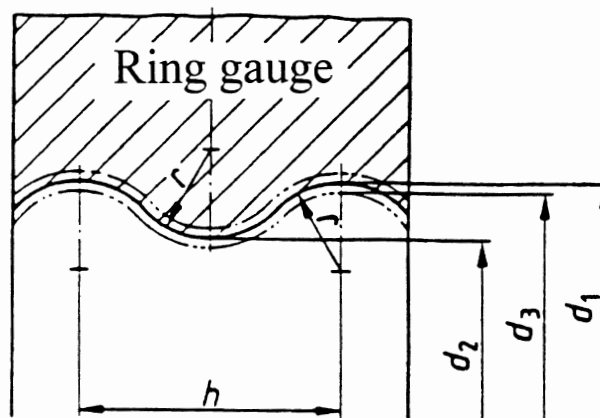


Figure 6a)

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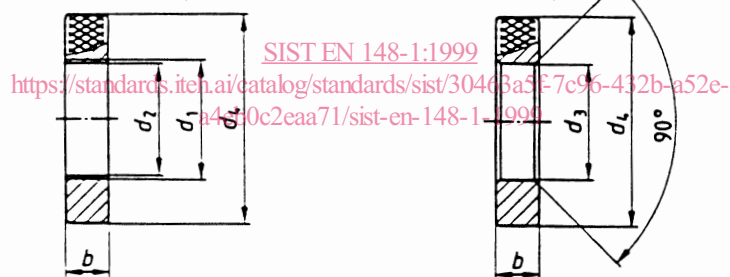


Figure 6b): GO-gauge

The gauge shall be capable of being threaded on smoothly.

Figure 6c): NOT GO-gauge

It shall not be possible to pass the gauge completely over the thread; it shall engage the initial thread then bind.

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 x 1/7	40,00	38,40	$\pm 0,015$	+ 0,050	3,629	$\pm 0,009$	1,225	39,70	$\pm 0,006$	72	15

3.2.2 Plug gauges for internal thread

Dimensions in millimetres

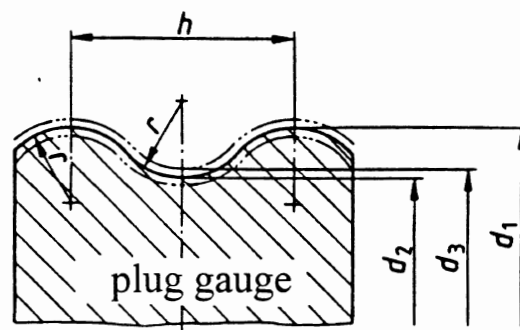
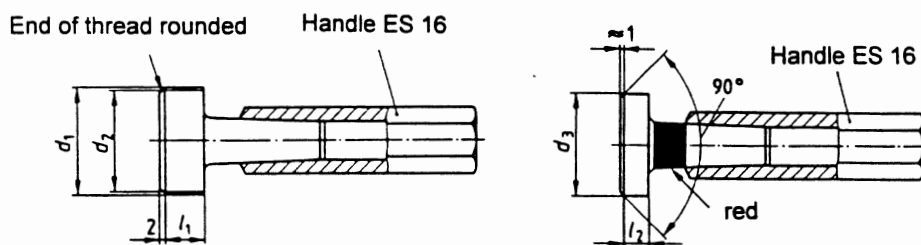


Figure 7a)



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Figure 7b): GO-gauge

The gauge shall be capable of being threaded on smoothly.

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Figure 7c): NOT GO-gauge

It shall not be possible to introduce the gauge completely over the thread; it shall engage the initial thread then bind.

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 x 1/7	40,16	38,56	± 0,015	- 0,050	3,629	± 0,009	1,225	15	38,86	± 0,006	10

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