



**SLOVENSKI STANDARD**  
**SIST EN 148-1:1996**

**01-april-1996**

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**Oprema za varovanje dihal - Navoji na maskah - Standardna navojna povezava**

Respiratory protective devices - Threads for facepieces - Standard thread connection

Atenschutzgeräte - Gewinde für Atemanschlüsse - Rundgewindeanschluß

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

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**Ta slovenski standard je istoveten z: EN 148-1:1987/AC1:1987**

<https://standards.iteh.ai/catalog/standards/sist/aba28648-5670-48a9-8e2d-9bc9d88ac9d0/sist-en-148-1-1996>

**ICS:**

13.340.30      Varovalne dihalne naprave      Respiratory protective devices

**SIST EN 148-1:1996**

**en**

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPAISCHE NORM**

**EN 148**

Part 1

June 1987

UDC 614.894:621.882.082:621.643.414:62-762.444

Key words : Personal protective equipment, Respiratory protective device,  
 Face piece, Thread connection.

English version

**Respiratory protective devices;  
 Threads for facepieces;  
 Standard thread connection**

Appareils de protection respiratoire;  
 Filetages pour pièces faciales;  
 Raccord à filetage standard

Atemschutzgeräte; Gewinde für  
 Atemanschlüsse; Rundgewinde-  
 anschluss

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 This European Standard was accepted by CEN on 1987-04-27 .  
 CEN members are bound to comply with the requirements of CEN  
 Internal Regulations which stipulate the conditions for giving  
 this European Standard the status of a national standard  
 without any alteration. <https://standards.iteh.ai/catalog/standards/cen/368-367-148-1-82d0>  
<https://standards.iteh.ai/catalog/standards/cen/368-367-148-1-82d0>

Up-to-date lists and bibliographical references concerning such  
 national standards may be obtained on application to the CEN  
 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 CEN Central Secretariat  
 has the same status as the official versions.

CEN members are the national standards organizations of  
 Austria, Belgium, Denmark, Finland, France, Germany, Greece,  
 Ireland, Italy, 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 Bréderode 2, B-1000 Brussels

  
Brief History

This European Standard was drawn up by CEN/TC 79 "Respiratory Protective Devices" the secretariat of which is held by DIN.

Work on this standard was started in 1982 in Sub-Group 3 (SG 3) "Facepieces" under German chairmanship.

This European Standard is based on the following standards: DIN 3182 Part 1 to 3 and DIN 3183 Part 2.

At the Plenary Meeting of CEN/TC 79 in Denmark in June 1983 the Draft Proposal was submitted and accepted unanimously by CEN/TC 79. It was then sent to the CEN/TC 79 Secretariat for publication as Draft European Standard.

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In September 1983 the Draft European Standard prEN 148 Part 1 was circulated by the CEN Central Secretariat in Brussels to all CEN-Members for vote and comments. Within the voting period 10 Members have approved and 5 Members have disapproved the document.

The comments received were discussed and decided on during the following meetings of SG 3.

According to the Common CEN/CENELEC Rules, following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Spain, Sweden, Switzerland, United Kingdom.

## 1 Object and field of application

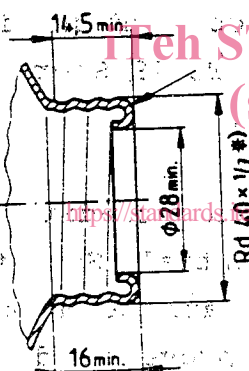
This European Standard applies to standard threads for respiratory protective devices. This standard does not apply to diving equipment and to positive pressure demand breathing apparatus.

## 2 Standard thread connector (C)

### 2.1 External thread

#### 2.1.1 Without socket for filters (CA)

Screw-in depth



Sealing surface:  
section left to the choice  
of the manufacturer

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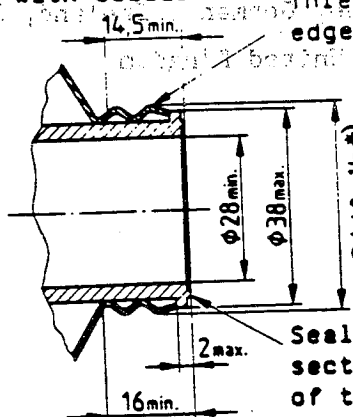
<https://standards.iteh.ai/catalog/standards/sist/aba28648-5670-48a9-8e2d-99bc9d88ac9d0/sist-en-148-1-1996>

99bc9d88ac9d0/sist-en-148-1-1996

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

Screw-in depth

with collar

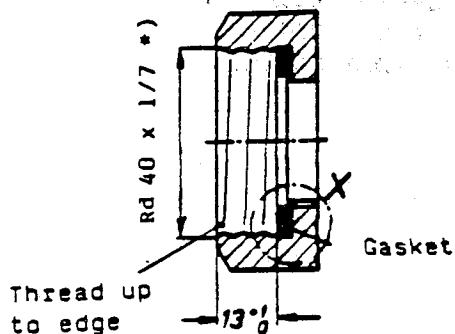


Thread up to  
edge

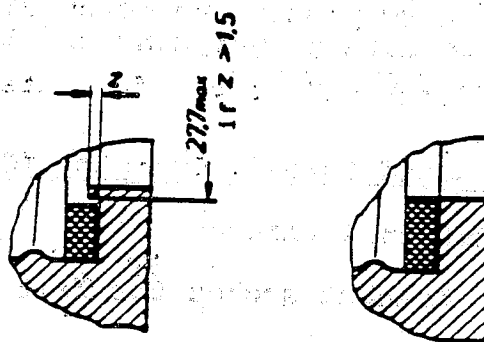
Sealing surface  
section left to the choice  
of the manufacturer

\*) Specification see clause 3

2.2 Internal thread



Detail X  
(left to the choice of the manufacturer)



\*) Specification see section 3

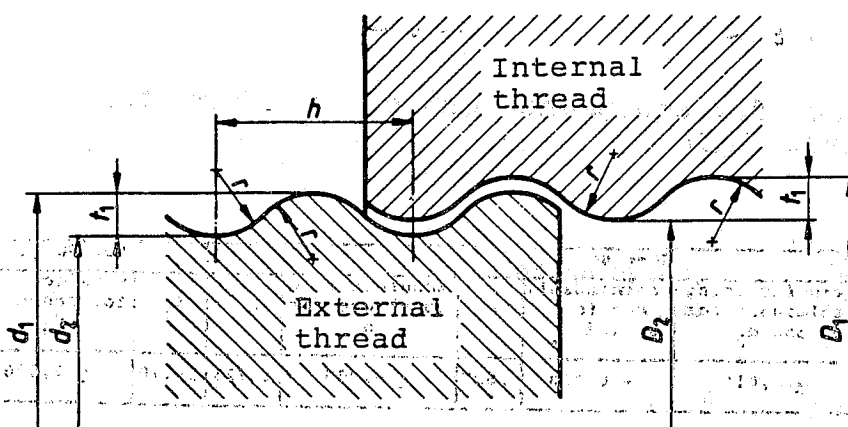
2.3 Gasket

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3 Threads

3.1 Dimensions of threads



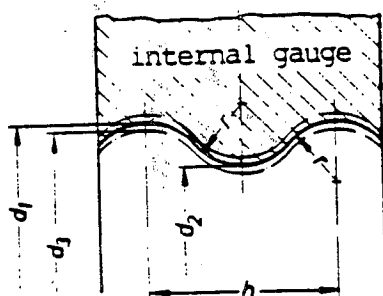
Dimensions in mm

Thread	Thread limits						Pitch h	Number of threads per 24,5 z	Thread height t <sub>1</sub>	Radius r
	External thread			Internal thread						
	Major diameter d <sub>1</sub> max.	Minor diameter d <sub>2</sub> max.	Minor diameter d <sub>2</sub> min.	Major diameter D <sub>1</sub> min.	Minor diameter D <sub>2</sub> min.	Minor diameter D <sub>2</sub> 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 (dimensions in millimeter):

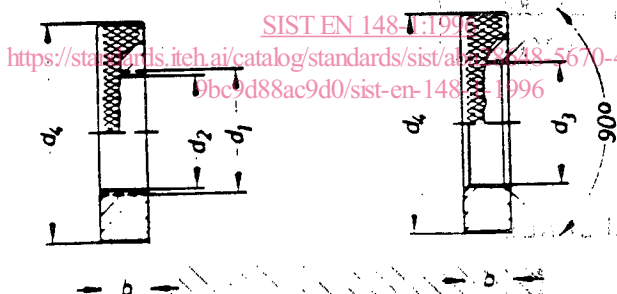
#### 3.2.1 Internal gauges for external thread



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The gauge should be capable of being threaded on smoothly

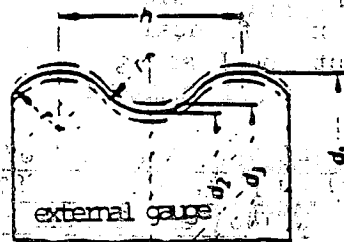


It shall not be possible to pass the gauge completely over the thread; it should engage the initial thread and then bind

Dimension of gauges

Thread	GO-gauge							NOT GO-gauge		d <sub>4</sub>	b
	d <sub>1</sub> max	d <sub>2</sub> max	manufacturing tolerance for d <sub>1</sub> and d <sub>2</sub>	permissible wear for d <sub>1</sub> and d <sub>2</sub>	h	manufacturing tolerance for h	r	d <sub>3</sub>	manufacturing tolerance for d <sub>3</sub>		
Rd 40 x 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 External gauges for internal thread



C  
GO-gauge

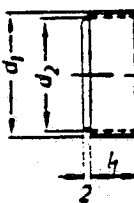
D  
NOT GO-gauge

End of thread rounded

Handle ES 16

Handle ES 16

The gauge should be capable of being threaded on smoothly



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9bc9d88ac9d0/31-en-148-1-1996

9bc9d88ac9d0/31-en-148-1-1996

red

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

Dimension of gauges

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	$\pm 0,015$	- 0,050	3,629	$\pm 0,009$	1,225	15	38,86	$\pm 0,006$	10



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 148**  
**AC1**

Part 2 / Partie 2 / Teil 2

September 1987

Septembre 1987

September 1987

English version  
Version française  
Deutsche Fassung

Amends EN 148 Part 2 June 1987  
Amend EN 148 Partie 2 Juin 1987  
Anderung zur EN 148 Teil 2 Juni 1987

Respiratory protective devices;  
Threads for facepieces;  
Centre thread connection

Appareils de protection respiratoire;  
Filetages pour pièces faciales;  
Raccord à filetage central

Atemschutzgeräte;  
Gewinde für Atemanschlüsse;  
Zentralgewindeanschluss

This corrigendum becomes effective on 1987-09-22 for incorporation in the three official versions of the EN.

Cet corrigendum prendra effet le 1987-09-22 pour introduction dans les trois versions officielles de la EN.

Die Berichtigung tritt am 1987-09-22 in Kraft und ist in die drei offiziellen Fassungen der EN einzufügen.

EN 148-1	EN 148-2	EN 148-3	EN 148-4	EN 148-5	EN 148-6	EN 148-7	EN 148-8	EN 148-9	EN 148-10	EN 148-11	EN 148-12	EN 148-13	EN 148-14	EN 148-15	EN 148-16	EN 148-17	EN 148-18	EN 148-19	EN 148-20	

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