



NSAI
Standards

Irish Standard
I.S. EN 140:1999

Respiratory protective devices - Half masks and quarter masks - Requirements, testing, marking

I.S. EN 140:1999

Incorporating amendments/corrigenda issued since publication:

EN 140:1998/AC:1999

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces:

I.S./EN 140:1994

This document is based on:
EN 140:1998

Published:
5 March, 1999

This document was published
under the authority of the NSAI
and comes into effect on:
5 March, 1999

ICS number:
13.340.30

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I.S. EN 140:1999

EUROPEAN STANDARD

EN 140:1998/AC

NORME EUROPÉENNE

December 1999

EUROPÄISCHE NORM

Décembre 1999

December 1999

English version
Version Française
Deutsche Fassung

Respiratory protective devices - Half masks and quarter masks -
Requirements, testing, marking

Appareils de protection respiratoire - Demi-
masques et quarts de masques -
Exigences, essais, marquage

Atemschutzgeräte - Halbmasken und
Viertelmasken - Anforderungen, Prüfung,
Kennzeichnung

This corrigendum becomes effective on 8 December 1999 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 8 décembre 1999 pour incorporation dans les trois versions linguistiques officielles de l'EN.

Die Berichtigung tritt am 8. Dezember 1999 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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

In Figure 5 of the three language versions, please replace :

Dans la Figure 5 dans les trois versions linguistiques, veuillez remplacer :

Bitte ersetzen Sie in Bild 5 der drei Sprachfassungen :

English: "**Total length: 96 mm**"

French: "**Longueur totale: 96 mm**"

German: "**Gesamtlänge: 96 mm**"

par, by, durch :

English: "**Total length: 50 mm**"

French: "**Longueur totale: 50 mm**"

German: "**Gesamtlänge: 50 mm**"

I.S. EN 140:1999

**DECLARATION
OF
SPECIFICATION
ENTITLED**

**RESPIRATORY PROTECTIVE DEVICES - HALF MASKS AND QUARTER MASKS -
REQUIREMENTS, TESTING, MARKING**

AS

THE IRISH STANDARD SPECIFICATION FOR

**RESPIRATORY PROTECTIVE DEVICES - HALF MASKS AND QUARTER MASKS -
REQUIREMENTS, TESTING, MARKING**

NSAI in exercise of the power conferred by section 16 (5) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Respiratory protective devices - Half masks and quarter masks - Requirements, testing, marking) Declaration, 1999.
2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Respiratory protective devices - Half masks and quarter masks - Requirements, testing, marking. The Schedule comprises the text of EN 140:1998 (revision).
- (2) The said standard specification may be cited as Irish Standard EN 140:1999 or as I.S. EN 140:1999.

EUROPEAN STANDARD

EN 140

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1998

ICS 13.340.30

Supersedes EN 140:1989 and EN 140:1989/A1:1992

Descriptors: personal protective equipment, respiratory protective equipment, safety masks, accident prevention, specifications, tests, marking

English version

Respiratory protective devices - Half masks and quarter masks - Requirements, testing, marking

Appareils de protection respiratoire - Demi-masques et
quarts de masques - Exigences, essais, marquage

Atemschutzgeräte - Halbmasken und Viertelmasken -
Anforderungen, Prüfung, Kennzeichnung

This European Standard was approved by CEN on 4 September 1998

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.



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

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

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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 140:1989 and amendment EN 140:1989/A1:1992.

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

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(s).

For relationship 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.

Introduction

A given respiratory protective device can only be approved when the individual components satisfy the requirements of the test specification which may be a complete standard or part of a standard, and successful practical performance tests have been carried out on complete apparatus where specified in the appropriate standard. If for any reason a complete apparatus is not tested then simulation of the apparatus is permitted provided the respiratory characteristics and weight distribution are similar to those of the complete apparatus.

1 Scope

This European Standard specifies minimum requirements for half masks and quarter masks for use as part of respiratory protective devices, except escape apparatus and diving apparatus.

Laboratory and practical performance tests are included for the assessment of compliance with the requirements.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

prEN 132	Respiratory protective devices - Definitions
EN 134	Respiratory protective devices - Nomenclature of components
prEN 148-1	Respiratory protective devices - Threads for facepieces - Part 1: Standard thread connection
prEN 148-2	Respiratory protective devices - Threads for facepieces - Part 2: Centre thread connection
EN ISO 6941	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens (ISO 6941:1984, including Amendment 1:1992)

3 Definition

For the purposes of this European Standard the definitions given in prEN 132 and the nomenclature given in EN 134 apply together with the following.

A half mask is a facepiece which covers the nose, mouth and chin. A quarter mask is a facepiece which covers the nose and mouth. They are intended to provide adequate sealing on the face of the wearer of a respiratory protective device against the ambient atmosphere, when the skin is dry or moist and when the head is moved.

4 Description

Air enters the facepiece and passes directly to the nose and mouth area of the facepiece. The exhaled air flows directly to the ambient atmosphere, via the exhalation valve(s) or by other appropriate means.

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