



National Standards Authority of Ireland

STANDARD

I.S. TS 13126-11:2004

ICS 91.190

**BUILDING HARDWARE, FITTINGS FOR  
WINDOWS AND DOOR HEIGHT WINDOWS -  
REQUIREMENTS AND TEST METHODS - PART  
11: TOP HUNG PROJECTING REVERSIBLE  
HARDWARE**

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TECHNICAL SPECIFICATION  
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**CEN/TS 13126-11**

April 2004

ICS 91.190

English version

**Building hardware, fittings for windows and door height windows  
- Requirements and test methods - Part 11: Top hung projecting  
reversible hardware**

Quincaillerie pour le bâtiment, ferrures de fenêtres et  
portes-fenêtres - Prescription et méthodes d'essais - Partie  
11 : Ferrures pour ouvrants à l'italienne réversibles à axe  
horizontal supérieur

Baueschläge - Beschläge für Fenster und Fenstertüren -  
Anforderungen und Prüfverfahren - Teil 11:  
Umkehrbeschläge für auskragende Schwing-  
Klappflügel Fenster

This Technical Specification (CEN/TS) was approved by CEN on 18 August 2003 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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## **Foreword**

This document (CEN/TS 13126-11:2004) has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling”, the secretariat of which is held by AFNOR.

A full contribution to the preparation of this Technical Specification has been made by the European manufacturers organisation ‘ARGE’ and National Standards institutions.

This Technical Specification is one of a series of Technical Specifications dedicated to building hardware products. It is divided into seventeen parts to incorporate all types of windows and door height windows.

Informative annex A of CEN/TS 13126-1 gives detailed schedules of the elements of components of the seventeen parts of this Technical Specification.

Normative annex B of CEN/TS 13126-1 gives schedules of the elements of components used on the 21 types of window opening functions.

Normative and informative annex to all parts of this Technical Specification are indicated in the content of the seventeen parts.

The performance tests incorporated in this standard are considered to be reproducible and as such will provide a consistent and objective assessment of the performance of these products throughout CEN Member States.

Annex A is informative while annex B is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## **CEN/TS 13126-11:2004 (E)**

### **1 Scope**

This part of CEN/TS 13126 gives requirements and test methods for durability, strength, security and function of top hung projecting reversible hardware for windows and door height windows.

### **2 Normative references**

This Technical Specification 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 standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies (including amendments).

EN 1670, *Building hardware – Corrosion resistance – Requirements and test methods.*

EN 12519:2004, *Windows and doors - Terminology*

CEN/TS 13126-1:2004, *Building hardware – Fittings for windows and door height windows – Requirements and test methods - Part 1: Requirements common to all types of fittings.*

### **3 Terms and definitions**

For the purposes of this Technical Specification, the terms and definitions given in EN 12519:2004 for windows and doors. and the following apply:

#### **3.1**

##### **top-hung projecting reversible hardware**

complete hinge mechanism consisting sliding rails fitted into the jambs of the window, together with arms and gliders connecting leaf and frame, which allows the window to open outward without projecting into the room and enables the leaf to be fully reversed for cleaning from inside

### **4 Classification**

#### **4.1 General**

The classification for top-hung projecting reversible hardware shall be in accordance with the requirements of clause 4 in CEN/TS 13126-1:2004.

#### **4.2 Category of use (first digit)**

No requirement.

#### **4.3 Durability (second digit)**

Grades shall be in accordance with 4.3 of CEN/TS 13126-1:2004.

#### **4.4 Mass (third digit)**

Grades shall be in accordance with 4.4 of CEN/TS 13126-1:2004.

#### **4.5 Fire resistance (fourth digit)**

Grades shall be in accordance with 4.5 of CEN/TS 13126-1:2004.

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