



**SLOVENSKI STANDARD**  
**SIST EN 12217:2004**  
**01-september-2004**

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**Vrata – Sile pri uporabi - Zahteve in klasifikacija**

Doors - Operating forces - Requirements and classification

Türen - Bedienungskräfte - Anforderungen und Klassifizierung

Portes - Forces de manoeuvre - Prescriptions et classification

**Ta slovenski standard je istoveten z: EN 12217:2003**

[SIST EN 12217:2004](https://standards.iteh.ai/catalog/standards/sist/40fe5d0d-26be-4e2f-8543-143faa4183b1/sist-en-12217-2004)

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**ICS:**

91.060.50      Vrata in okna                      Doors and windows

**SIST EN 12217:2004**                      **en**

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EUROPEAN STANDARD

EN 12217

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2003

ICS 91.060.50

English version

## Doors - Operating forces - Requirements and classification

Portes - Forces de manoeuvre - Prescriptions et  
classificationTüren - Bedienungskräfte - Anforderungen und  
Klassifizierung

This European Standard was approved by CEN on 28 November 2003.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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## Foreword

This document (EN 12217:2003) 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.

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 June 2004 and conflicting national standards shall be withdrawn at the latest by June 2004.

This standard is one of a series of standards for doors.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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## EN 12217:2003 (E)

### 1 Scope

This European Standard is applicable to hinged/pivoted and sliding doorsets with latches, for pedestrian use. It defines the classification of the test results for the forces to open/close doors and to engage/release and lock/unlock the hardware using a key or handle, after testing in accordance with EN 12046-2.

It is only applicable to the manual operation of doorsets.

The measurement of forces for doorsets with self closing devices engaged is excluded from this test method. It is also not applicable to doorsets with special hardware e.g. emergency exit devices.

The tests are applicable to doorsets of any material.

The operation of some glazed doors, (door high windows) involves hardware with latches and may be classified in accordance with this standard.

### 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 (including amendments).

EN 12046-2, *Operating forces - Test method - Part 2: Doors*.

prEN 12519:1996, *Windows and pedestrian doors - Terminology*.

<https://standards.iteh.ai/catalog/standards/sist/40fe5d0d-26be-4e2f-8543-143faa4183b1/sist-en-12217-2004>

### 3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in prEN 12519:1996 and the following apply.

#### 3.1

##### **doorset**

complete unit consisting of a door frame and a door leaf or leaves supplied, with the essential hardware and seals, if provided

### 4 Classification

When tested in accordance with EN 12046-2 a doorset shall be classified in accordance with Table 1.

Table 1 — Classification of operating forces and torques

Resistance to:	Class 0	Class 1	Class 2	Class 3	Class 4
Closing force or force to commence motion, maximum value, (N)	- <sup>1)</sup>	75	50	25	10
Hand operated hardware; - Maximum torque, (Nm) - Maximum force, (N)	- -	10 100	5 50	2,5 25	1 10
Finger operated hardware; - Maximum torque, (Nm) - Maximum force, (N)	- -	5 20	2,5 10	1,5 6	1 4
<sup>1)</sup> No requirements					

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