



**SLOVENSKI STANDARD**  
**SIST EN 251:2013**

**01-december-2013**

**Nadomešča:**  
**SIST EN 251:2003**

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**Kadi za prhanje - Priključne mere**

Shower trays - Connecting dimensions

Duschwannen - Anschlussmaße

Receveurs de douche - Cotes de raccordement

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**ICS:**

91.140.70      Sanitarne naprave                      Sanitary installations

**SIST EN 251:2013**

**en,fr,de**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 251**

October 2012

ICS 91.140.70

Supersedes EN 251:2003

English Version

## Shower trays - Connecting dimensions

Receveurs de douche - Cotes de raccordement

Duschwannen - Anschlussmaße

This European Standard was approved by CEN on 18 August 2012.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

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## Foreword

This document (EN 251:2012) has been prepared by Technical Committee CEN/TC 163 “Sanitary appliances”, the secretariat of which is held by UNI.

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 April 2013, and conflicting national standards shall be withdrawn at the latest by April 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 251:2003.

The main change to the document from the previous one is to include more defined information for the waste control gauges shown in the Appendix A.1

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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## EN 251:2012 (E)

## 1 Scope

This European Standard specifies requirements for the connecting dimensions for shower trays, regardless of the material used for their manufacture.

This European Standard applies to shower trays used for domestic purposes and complements the standards for shower trays made from different materials, the existing standard on waste fittings (EN 274-1) in terms of their dimensional requirements.

NOTE Only dimensions are compulsory. The shape of the appliance in the figures is for illustration only; it in no way prejudices the shape of the appliance which is left to the initiative of the manufacturer.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 274-1, *Waste fittings for sanitary appliances — Part 1: Requirements*

## 3 Connecting dimensions

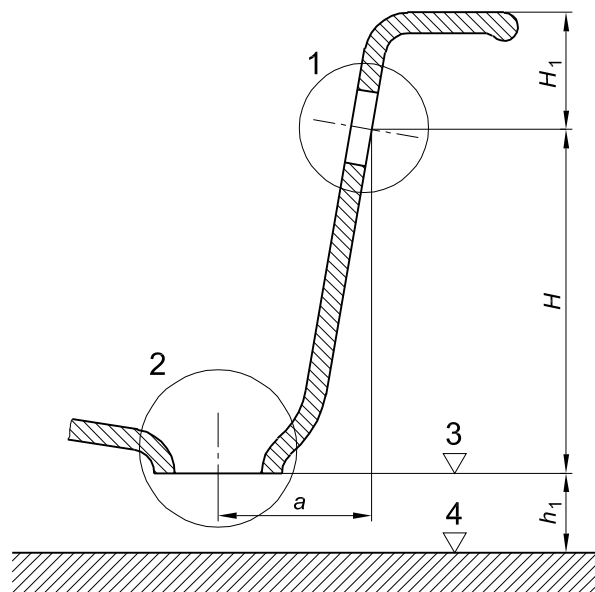
### 3.1 Basic dimensions

The basic dimensions  $H$ ,  $a$ ,  $H_1$  and  $h_1$  shall comply with those given in Table 1 to enable compatibility with waste fittings in accordance with EN 274-1. (see also Annex A).

**Table 1 — Basic dimensions (see Figure 1)**

Designation	Symbol	Values mm	Remarks
Vertical distance between the axis of the overflow hole, if provided, and the plane of the waste outlet hole	$H$	165 to 260	
Horizontal distance between the axis of the waste outlet hole and the axis of the overflow hole, if provided	$a$	110 to 170	Standard type waste fitting in accordance with EN 274-1
		$\geq 170$	With a waste fitting specified or provided by the manufacturer
Distance between the floor and the plane of the waste outlet hole measured at the centre line of the waste outlet hole	$h_1$ <sup>1)</sup>	$\geq 130$	For all shower trays with overflow
		$\geq 85$	For all shower trays
Distance between the axis of the overflow hole, if provided, and the spillover	$H_1$	$\geq 60$	

<sup>1)</sup> Only applicable when the trap is to be accommodated above the finished floor.

**Key**

- 1 details shown in Figure 4
- 2 details shown in Figure 2
- 3 plane of the waste outlet hole
- 4 floor

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Figure 1 — Basic dimensions

### 3.2 Dimensions of the waste outlet hole

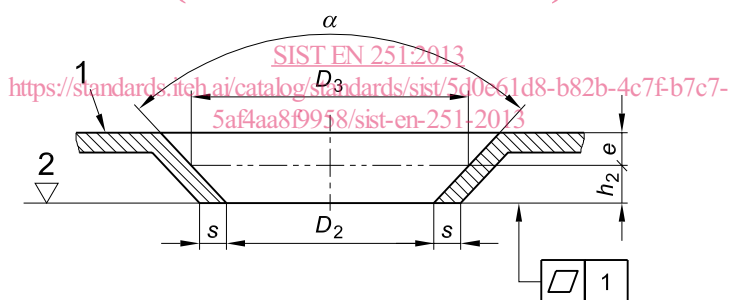
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The dimensions of the waste outlet hole shall be as given in Table 2 to enable compatibility with EN 274-1 (see also Annex A).

Table 2 — Dimensions of the waste outlet hole (see Figure 2)

Designation	Symbol	Values mm	Remarks
Diameter of the waste outlet hole	$D_2$	$52^{+3}_{-2}$	
		$62^{+3}_{-2}$	
		$90^{+3}_{-2}$	
Distance between the contact diameter of the control gauge and the bottom of the shower tray around the waste outlet hole	$e$	$\geq 2$	
Contact diameter of the control gauge	$D_3$	70	When $D_2 = 52$ mm
		85	When $D_2 = 62$ mm
		115	When $D_2 = 90$ mm
Contact cone angle	$\alpha$	$\leq 120^\circ$	
Height between the contact diameter of the control gauge and the plane of the waste outlet hole	$h_2$	6 to 16	When $D_2 = 52$ mm
		6 to 25	When $D_2 = 62$ mm or 90 mm
Sealing surface for waste fitting	$s$	$\geq 3$	

**Key**

- 1 bottom of the shower tray around the waste outlet hole
- 2 plane of the waste outlet hole

Figure 2 — Waste outlet hole

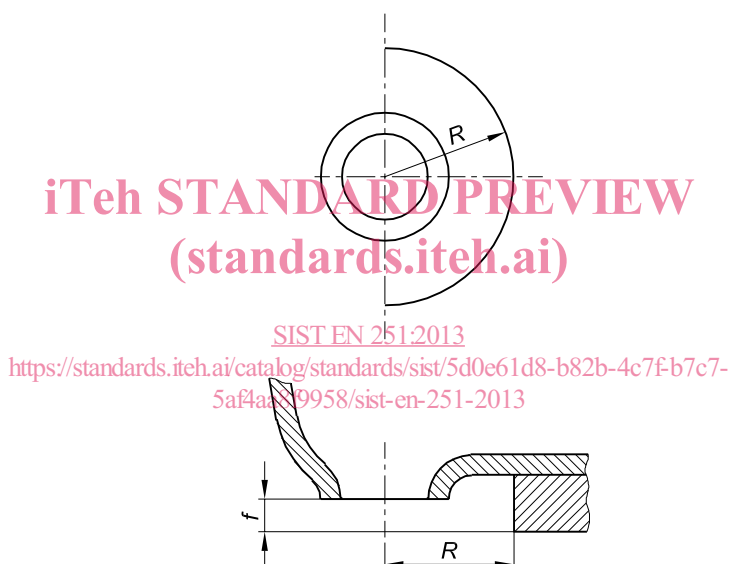


### 3.3 Clearance around the waste outlet hole

The clearance around the waste outlet hole shall comply with the dimensions given in Table 3.

**Table 3 — Clearance around the waste outlet hole (see Figure 3)**

Designation	Symbol	Values mm	Remarks
Radius of the circular area which shall remain free for installation of the waste fitting	$R$	$\geq 60$	When $D_2 = 52$ mm
		$\geq 65$	When $D_2 = 62$ mm
		$\geq 80$	When $D_2 = 90$ mm
Thickness of reinforcing material around the waste outlet hole	$f$	$\leq 15$	



**Figure 3 — Clearance around the waste outlet hole**