



SLOVENSKI STANDARD
oSIST prEN 33:2018
01-junij-2018

WC školjke in WC naprave - Priključne mere

WC pans and WC suites - Connecting dimensions

WC-Becken und WC-Anlagen - Anschlussmaße

Cuvettes de WC à alimentation indépendante et cuvettes de WC à réservoir attenant -
Cotés de raccordement

Ta slovenski standard je istoveten z: prEN 33

ICS:

91.140.70	Sanitarne naprave	Sanitary installations
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oSIST prEN 33:2018

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Will supersede EN 33:2011

English Version

WC pans and WC suites - Connecting dimensions

Cuvettes de WC à alimentation indépendante et
cuvettes de WC à réservoir attenant - Cotés de
raccordement

WC-Becken und WC-Anlagen - Anschlussmaße

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 163.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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European foreword

This document (prEN 33:2018) has been prepared by Technical Committee CEN/TC 163 “Sanitary appliances”, the secretariat of which is held by UNI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 33:2011.

In comparison with the previous edition, the following technical modifications have been made:

- A measurement of (75 ± 15) mm is added to dimension q_4 in Table 4.

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1 Scope

This document specifies the connecting dimensions of WC pans and WC suites regardless of the materials used for their manufacture.

This document does not apply to siphonic action WC pans and WC suites.

NOTE 1 Other connecting dimensions are permitted, e.g. special designs of WC pans, if the manufacturer supplies or recommends the appropriate fittings.

NOTE 2 The shape of the appliance in the figures is for illustration only; it in no way prejudices the final shape of the appliance, which is left to the initiative of the manufacturer.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

4 Connecting dimensions

4.1 Inlet of WC pans with independent water supply

The connecting dimensions of inlets of WC pans with independent water supply shall comply with the dimensions given in Tables 1 and 2.

Table 1 — Inlet dimensions

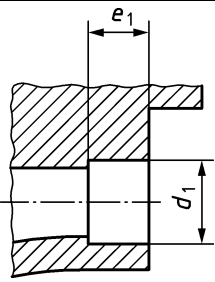
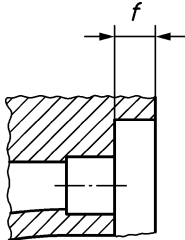
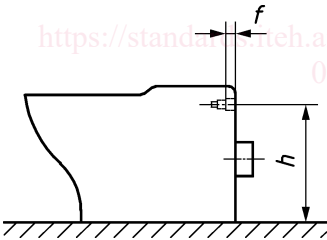
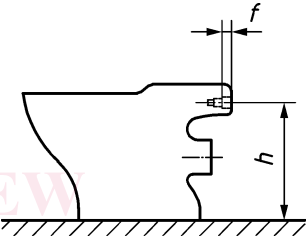
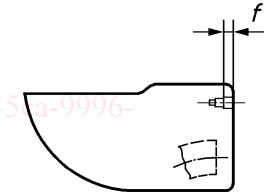
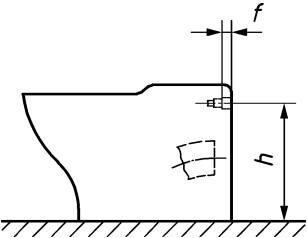
Designation	Symbol	Dimensions mm	Figure
Internal diameter of inlet measured over the initial 25 mm of e_1	d_1	55^{+3}_{-1}	
Depth of the internal cylindrical part in front of the shoulder	e_1	≥ 25	

Table 2 — Position of inlets inside the WC pans

Designation	Symbol	Dimensions mm	Figure
<p>Height of the centre of the inlet in relation to the base of the appliance</p> <p>NOTE Other dimensions are permissible for special needs, e.g. WC pans for children, disabled persons or comfort reasons.</p>	h	345^{+15}_{-25}	 <p>See below</p>
<p>Distance from the vertical plane of the inlet to the back wall of the appliance</p> 		0 or ≥ 15	Pedestal WC pan with vertical or horizontal outlet
		≥ 15	 <p>Wall-hung WC pan</p>
		≥ 15	 <p>Back-to-wall WC pan with concealed outlet</p>
		≤ 45	 <p>Back-to-wall WC pan with exposed outlet</p>

4.2 Outlets of WC pans and WC suites

The connecting dimensions of WC pans outlets shall comply with the dimensions given in Tables 3 to 6.

Table 3 — Outlet dimensions

Designation	Symbol	Dimension s mm	Figure
External diameter of the outlet	d_5	102 ± 5	<p>Horizontal outlet</p> <p>Vertical outlet</p>
External cylindrical part of the outlet without grooves	i	≥ 40	
Diameter of the free space around the outlet	k	≥ 150	
Distance between the centre line of the outlet and the base of the appliance NOTE Other connecting dimensions are permitted for specific cases as, for example, WC pans and WC suites for children, for disabled persons or for comfort reasons.	t_1	180^{+15}_{-10}	
Distance from the plane passing through the end of the outlet and the base of the appliance	t_2	≥ 10	

Table 4 — Pedestal WC suites

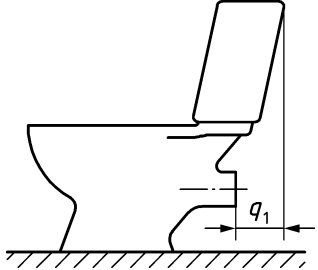
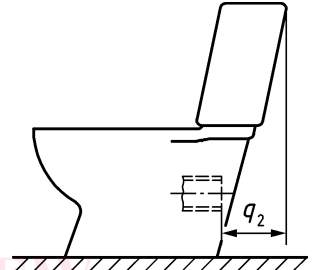
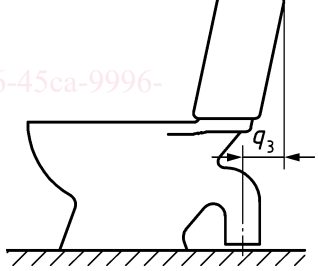
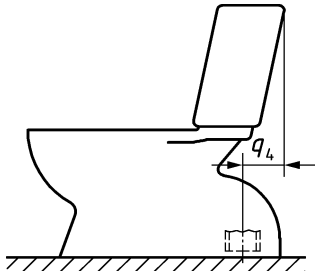
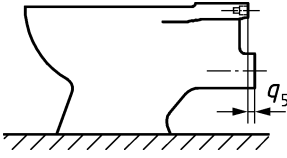
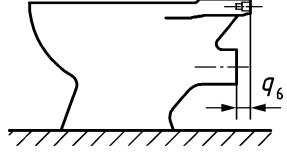


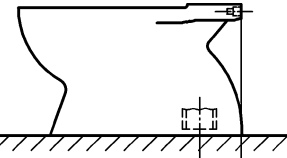
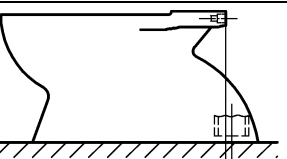
Designation	Symbol	Dimensions mm	Figure
Distance between the vertical plane passing through the end of the outlet and the part of the WC suite nearest to the wall	q_1	140 ± 25	 <p>Pedestal WC suite with exposed horizontal outlet</p>
		100 ± 25	
Distance from the centre line of the outlet and the vertical plane passing through the part of the WC suite nearest to the wall	q_2	≥ 115	 <p>Pedestal WC suite with concealed horizontal outlet</p>
Distance from the centre line of the outlet and the vertical plane passing through the part of the WC suite nearest to the wall	q_3	75 ± 15	 <p>Pedestal WC suite with exposed vertical outlet</p>
		120 ± 25	
		225 ± 25	
	q_4	75 ± 15	 <p>Pedestal WC suite with concealed vertical outlet</p>
		120 ± 25	
		225 ± 25	

Table 5 — Pedestal WC pans with independent water supply

Designation	Symbol	Dimensions mm	Figure
Distance between the vertical plane of the outlet and the vertical plane of the inlet	q_5	20 ± 20	 Pedestal WC pan with exposed horizontal outlet
	q_6	40 ± 20	 Pedestal WC pan with exposed horizontal outlet
Distance between the centre line of the outlet and the vertical plane of the inlet	q_7	20 ± 20	 Pedestal WC pan with exposed vertical outlet
		160 ± 20	
	q_8	30 ± 30	 Pedestal WC pan with exposed vertical outlet
	q_9	20 ± 20	 Pedestal WC pan with concealed vertical outlet
		160 ± 20	
	q_{10}	30 ± 30	 Pedestal WC pan with concealed vertical outlet