SLOVENSKI STANDARD
SIST EN 31:2011

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Nadomešča:
SIST EN 111:2003
SIST EN 31:1998/A1:1998
SIST EN 31:2000
SIST EN 32:2000

Umivalniki - Priključne mere

Wash basins - Connecting dimensions

Waschbecken - Anschlussmaße

Lavabos - Cotes de raccordement

Ta slovenski standard je istoveten z: **EN 31:2011**

ICS:

91.140.70	Sanitarne naprave	Sanitary installations

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EUROPEAN STANDARD

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English Version

Wash basins - Connecting dimensions

Lavabos - Cotes de raccordement

Waschbecken - Anschlussmaße

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Foreword

This document (EN 31:2011) 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of an identical text or by endorsement, at the latest by March 2012, and conflicting national standards shall be withdrawn at the latest by March 2012.

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 31:1998, EN 32:1998, EN 111:2003.

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1 Scope

This European Standard specifies the connecting dimensions of wash basins in accordance with EN 14688 regardless of materials used for their manufacture.

NOTE 1 Other connecting dimensions are permitted, e.g. special designs of wash basins, if the manufacturer supplies or recommends the appropriate fitting.

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

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

EN 14688, Sanitary appliances - Wash basins - Functional requirements and test methods

3 Tap holes

3.1 General

The connecting dimensions for tap holes are requirements for wash basins where it is intended to fit a tap.

3.2 Connecting dimensions of wash basins with one central tap hole

The connecting dimensions of wash basins with one central tap hole shall comply with Table 1.

Table 1 — Connecting dimensions of wash basins with one central tap hole (Figure 1)

Designation	Symbol	Dimensions mm
Diameter of the central tap hole (intended to accommodate a mixer tap)	d_2 [a]	$35\,^{+2}_{-1}$
Horizontal distance between the centre line of the central tap hole and the edge of the bowl	g_1	≤ 80
Distance from the centre line of the central tap hole to the back wall	g_3	≥ 55
Radius of a cylinder having the same centre line as the central tap hole at a depth 0 mm to 5 mm from the lower plane of the central tap hole	r_1	≥ 25
Radius of a cylinder having the same centre line as the central tap hole at a depth of minimum 5 mm from the lower plane of the central tap hole	r_2	≥ 30
Radius of a flat plane circular surface on the tap platform having the same centre as the central tap hole and intended to accommodate the tap	r_3	≥ 32
Thickness of the platform at the level of the zone concentric to the central tap hole	s	≤ 18
Horizontal distance between the centre line of the central tap hole and the centre line of the waste outlet hole	t [b]	≤ 170

[a] The diameter $30\,^{+2}_{0}$ is permissible with $r_1 \geq 22$ and $r_2 \geq 25$.

[b] May not be applicable for wash basins of class CL 00 in accordance with EN 14688.

Dimensions in millimetres

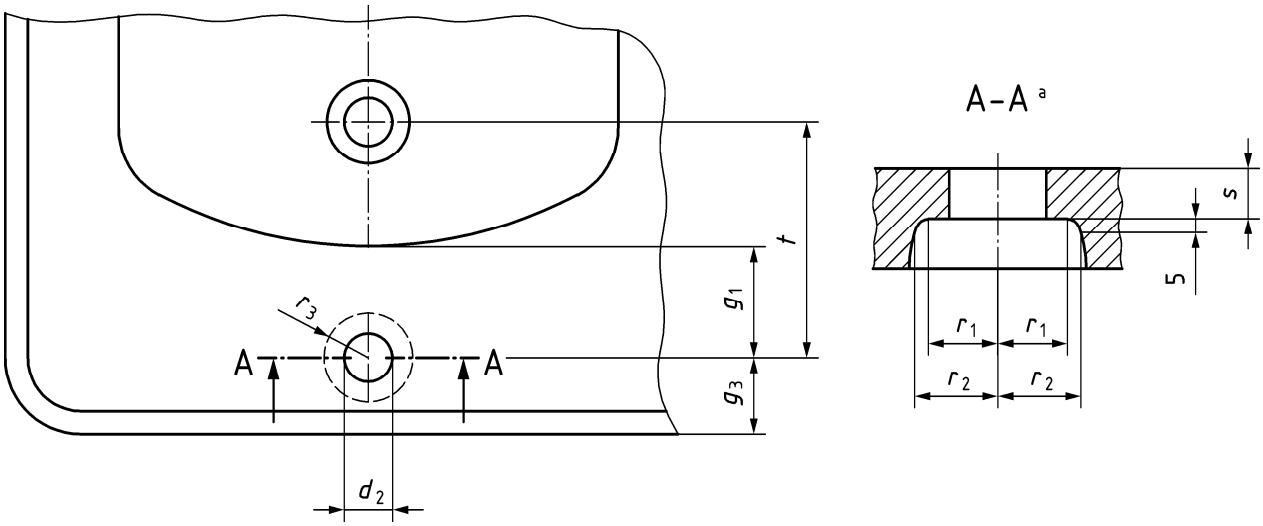

Figure 1 — Connecting dimensions of wash basins with one central tap hole

3.3 Connecting dimensions of wash basins with side tap hole(s)

The connecting dimensions of wash basins with one or two tap holes for side tap(s) shall comply with Table 2.

Table 2 — Connecting dimensions of wash basins with side tap hole(s) (Figure 2)

Designation	Symbol	Dimensions mm
Diameter of the tap hole(s) (intended to accommodate mixer tap(s))	d_2 [a]	35^{+2}_{-1}
Shortest horizontal distance between the centre line of the tap hole(s) and the edge of the bowl	g_2	≤ 65
Distance from the centre line of the tap hole(s) to the back wall	g_3	≥ 55
Radius of a cylinder having the same centre line as the tap hole at a depth 0 mm to 5 mm from the lower plane of the tap hole	r_1	≥ 25
Radius of a cylinder having the same centre line as the tap hole at a depth of minimum 5 mm from the lower plane of the tap hole	r_2	≥ 30
Radius of a flat plane circular surface on the tap platform having the same centre as the tap hole and intended to accommodate the tap	r_3	≥ 32
Thickness of the platform at the level of the zone concentric to the tap hole(s)	s	≤ 18
Horizontal distance between the centre line of the tap hole(s) and the centre line of the waste outlet hole	t [b]	≤ 170

[a] The diameter 30^{+2}_{0} is permissible with $r_1 \geq 22$, $r_2 \geq 25$ and $r_3 \geq 30$ (intended to accommodate pillar tap(s)).

[b] May not be applicable for wash basins of class CL 00 in accordance with EN 14688.

Dimensions in millimetres

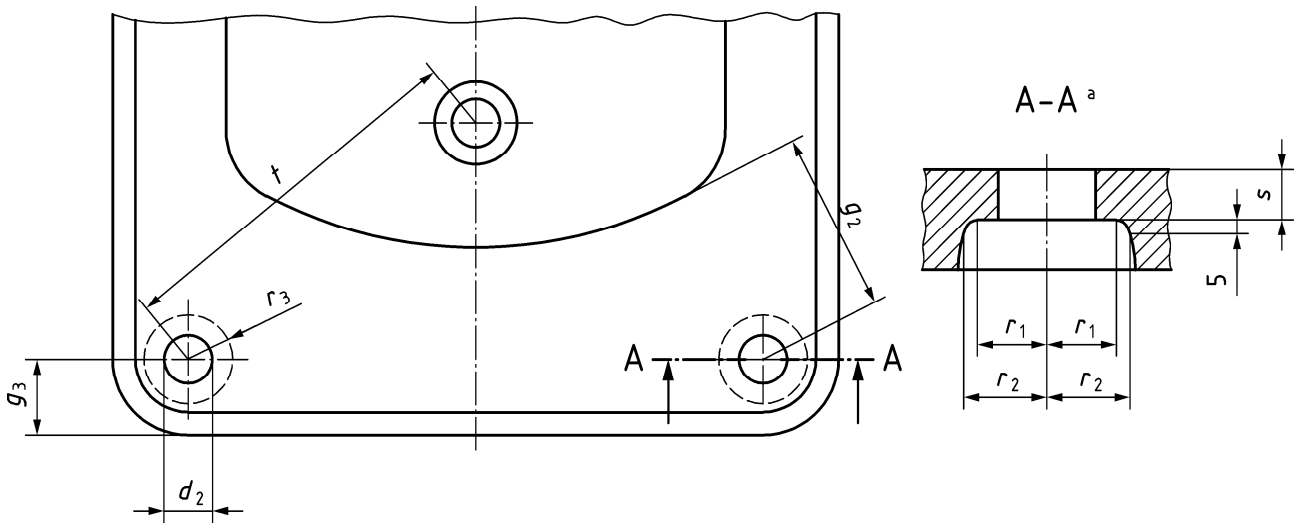

Figure 2 — Connecting dimensions of wash basins with two side tap holes

3.4 Connecting dimensions of wash basins with three tap holes

The connecting dimensions of wash basins with three tap holes shall comply with Table 3.

Table 3 — Connecting dimensions of wash basins with three tap holes (Figure 3)

Designation	Symbol	Dimensions mm
Diameter of outer tap holes	d_1	$30\,^{+2}_{0}$
Diameter of the central tap hole	d_2	$35\,^{+2}_{-1}$
Distance from the centre line of the central tap hole to the centre line of the two outer tap holes	e	0 to 15
Distance between the centre lines of the two outer tap holes	f	200 ± 4
Horizontal distance between the centre line of the central tap hole and the edge of the bowl	g_1	≤ 80
Distance from the centre line of the central tap hole to the back wall	g_3	≥ 55
Shortest horizontal distance between the centre lines of the outer tap holes and the edge of the bowl when only the two outer tap holes are used	g_4	≤ 65
Radius of a cylinder having the same centre line as the central tap hole at a depth 0 mm to 5 mm from the lower plane of the tap hole	r_1	≥ 25
Radius of a cylinder having the same centre line as the central tap hole at a depth of minimum 5 mm from the lower plane of the central tap hole	r_2	≥ 30
Radius of a flat plane circular surface on the tap platform having the same centre as the central tap hole and intended to accommodate the tap	r_3	≥ 32
Radius of a flat plane circular surface on the tap platform having the same centre as the outer tap holes and intended to accommodate the side valves	r_4	≥ 30
Thickness of the platform at the level of the zone concentric to the tap holes	s	≤ 18
Horizontal distance between the centre line of the central tap hole and the centre line of the waste outlet hole	t^a	≤ 170
[a] May not be applicable for wash basins of class CL 00 in accordance with EN 14688.		