



**ASME A112.19.3-2022/
CSA B45.4:22**
National Standard of Canada
American National Standard



Stainless steel plumbing fixtures



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Preface

This is the third edition of ASME A112.19.3/CSA B45.4, *Stainless steel plumbing fixtures*. It supersedes the previous edition published in 2017.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the ASME A112.19.3 Project Team on Stainless Steel Plumbing Fixtures, under the jurisdiction of the ASME A112 Standards Committee on Plumbing Materials and Equipment and the CSA Technical Committee on Plumbing Fixtures. The ASME A112 Standards Committee operates under the jurisdiction of the ASME Board on Standardization and Testing and the CSA Technical Committee operates under the jurisdiction of the CSA Strategic Steering Committee on Construction and Civil Infrastructure. This Standard has been formally approved by the ASME Standards Committee and the CSA Technical Committee.

This Standard was approved as an American National Standard by the American National Standards Institute on May 17, 2022.

This Standard has been developed in compliance with the Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

ASME Notes:

- 1) *The next edition of this standard is scheduled for publication in 2025.*
- 2) *This standard was developed under procedures accredited as meeting the criteria for American National Standards and it is an American National Standard. The standards committee that approved the code or standard was balanced to ensure that individuals from competent and concerned interests had an opportunity to participate. The proposed standard was made available for public review and comment, which provided an opportunity for additional public input from industry, academia, regulatory agencies, and the public-at-large.*
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- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This publication was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this publication.*
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ASME A112.19.3-2022/CSA B45.4:22

Stainless steel plumbing fixtures

1 Scope

1.1

This Standard covers plumbing fixtures made of stainless steel alloys and specifies requirements for materials, construction, performance, testing, and markings.

Note: The term “corrosion-resisting steel” is also applied to stainless steel.

1.2

This Standard covers the following plumbing fixtures:

- a) bathtubs;
- b) bidets;
- c) drinking fountains and water coolers;
- d) lavatories;
- e) shower bases;
- f) sinks:
 - i) bar sinks;
 - ii) clinic sinks;
 - iii) kitchen sinks;
 - iv) laboratory sinks;
 - v) laundry sinks;
 - vi) service sinks; and
 - vii) utility sinks.
- g) urinals; and
- h) water closets.

1.3

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

1.4

SI units are the units of record in Canada. In this Standard, the yard/pound units are shown in parentheses. The values stated in each measurement system are equivalent in application; however,