

**ASME A112.6.2-2017**  
[Revision of ASME A112.6.2-2000 (R2010)]

# **Framing-Affixed Supports (Carriers) for Off-the-Floor Plumbing Fixtures**

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**AN AMERICAN NATIONAL STANDARD**



**The American Society of  
Mechanical Engineers**

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**The American Society of  
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Two Park Avenue • New York, NY • 10016 USA

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# FOREWORD

In 1990, The American Society of Mechanical Engineers (ASME) was solicited to develop a standard for carriers that are used in frame construction. At the time, a standard existed for the evaluation of floor-affixed carriers and supports that are typically installed in commercial, industrial, and institutional buildings with concrete floors. The standard for floor-affixed carriers and supports is ASME A112.6.1M.

This Standard complements ASME A112.6.1M. Some of the specifications and tests are similar and appropriately referenced in this Standard. However, due to differences in assembly of these framing-affixed products from the floor-affixed products, some criteria are different.

The basis for this Standard was an Interim Guide Criteria document prepared by the International Association of Plumbing and Mechanical Officials (IAPMO).

ASME A112.6.2-2017 was approved as an American National Standard on November 1, 2017.

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Secretary, A112 Standards Committee  
The American Society of Mechanical Engineers  
Two Park Avenue  
New York, NY 10016-5990  
<http://go.asme.org/Inquiry>

**Proposing Revisions.** Revisions are made periodically to the Standard to incorporate changes that appear necessary or desirable, as demonstrated by the experience gained from the application of the Standard. Approved revisions will be published periodically.

The Committee welcomes proposals for revisions to this Standard. Such proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent documentation.

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Requests for Cases shall provide a Statement of Need and Background Information. The request should identify the Standard and the paragraph, figure, or table number(s), and be written as a Question and Reply in the same format as existing Cases. Requests for Cases should also indicate the applicable edition(s) of the Standard to which the proposed Case applies.

**Interpretations.** Upon request, the A112 Standards Committee will render an interpretation of any requirement of the Standard. Interpretations can only be rendered in response to a written request sent to the Secretary of the A112 Standards Committee.

Requests for interpretation should preferably be submitted through the online Interpretation Submittal Form. The form is accessible at <http://go.asme.org/InterpretationRequest>. Upon submittal of the form, the Inquirer will receive an automatic e-mail confirming receipt.

If the Inquirer is unable to use the online form, he/she may mail the request to the Secretary of the A112 Standards Committee at the above address. The request for an interpretation should be clear and unambiguous. It is further recommended that the Inquirer submit his/her request in the following format:

- Subject: Cite the applicable paragraph number(s) and the topic of the inquiry in one or two words.
- Edition: Cite the applicable edition of the Standard for which the interpretation is being requested.
- Question: Phrase the question as a request for an interpretation of a specific requirement suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. Please provide a condensed and precise question, composed in such a way that a “yes” or “no” reply is acceptable.
- Proposed Reply(ies): Provide a proposed reply(ies) in the form of “Yes” or “No,” with explanation as needed. If entering replies to more than one question, please number the questions and replies.
- Background Information: Provide the Committee with any background information that will assist the Committee in understanding the inquiry. The Inquirer may also include any plans or drawings that are necessary to explain the question; however, they should not contain proprietary names or information.

Requests that are not in the format described above may be rewritten in the appropriate format by the Committee prior to being answered, which may inadvertently change the intent of the original request.

Moreover, ASME does not act as a consultant for specific engineering problems or for the general application or understanding of the Standard requirements. If, based on the inquiry information submitted, it is the opinion of the Committee that the Inquirer should seek assistance, the inquiry will be returned with the recommendation that such assistance be obtained.

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# FRAMING-AFFIXED SUPPORTS (CARRIERS) FOR OFF-THE-FLOOR PLUMBING FIXTURES

## 1 GENERAL

### 1.1 Scope

This Standard covers framing-affixed supports (i.e., carriers), with or without concealed tanks, including combination carriers and fittings, for off-the-floor plumbing fixtures (i.e., water closets, urinals, bidets, lavatories, and sinks). This Standard specifies definitions, materials, general requirements, strength and deflection requirements, and marking requirements. It is not intended to limit the use of other materials and designs that comply with the requirements of this Standard.

### 1.2 Units of Measurement

SI units are the units of record in Canada. In this Standard, the inch/pound units are shown in parentheses. The values stated in each measurement system are equivalent in application; however, each system is to be used independently. Combining values from the two measurement systems can result in nonconformance with this Standard. All references to gallons are in U.S. gallons.

### 1.3 References

The following documents form a part of this Standard to the extent specified herein. Unless otherwise specified, the latest edition shall apply.

ASME A112.6.1M, Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use

ASME A112.19.2/CSA B45.1, Ceramic plumbing fixtures

ASME A112.19.5/CSA B45.15, Flush valves and spuds for water closets, urinals, and tanks

ASSE 1002/ASME A112.1002/CSA B125.12, Anti-siphon fill valves for water closet tanks

ASSE 1037/ASME A112.1037/CSA B125.37, Performance requirements for pressurized flushing devices for plumbing fixtures

Publisher: The American Society of Mechanical Engineers (ASME), Two Park Avenue, New York, NY 10016-5990 (www.asme.org)

CSA B45.5/IAPMO Z124, Plastic plumbing fixtures

Publisher: Canadian Standards Association (CSA), 178 Rexdale Boulevard, Toronto, Ontario M9W 1R3, Canada (www.csagroup.org)

IAPMO PS 50, Flush Valves with Dual Flush Device for Water Closets or Water Closet Tank with an Integral Flush Valves with a Dual Flush Device

Publisher: International Association of Plumbing and Mechanical Officials (IAPMO), 4755 East Philadelphia Street, Ontario, CA 91761 (www.iapmo.org)

### 1.4 Definitions

A number of special terms that are specific to the carriers covered by this Standard are defined in this section. For additional terms pertinent to support and carrier nomenclature, see ASME A112.6.1M.

*carrier*: a concealed structural support.

*combination carrier and fitting*: an assembly for supporting off-the-floor fixtures, which includes a structural support, waste-fitting components, and a flushing device. See [Figure 1](#).

*off-the-floor fixture*: a plumbing fixture, located adjacent to a wall, which has no visible contact with the floor in front of the wall.

*structural support*: a concealed support for an off-the-floor fixture, intended to be affixed to the structural portion of a wall.

NOTE: Structural portion of a wall includes wood and steel wall framing, concrete blocks, and poured concrete.

## 2 MATERIALS

### 2.1 Carriers

Materials used in supports and carrier assemblies shall be made of materials that comply with the material requirements specified in ASME A112.6.1M.

### 2.2 Waste Fittings

Waste fittings shall be made of cast iron, bronze, plastic, or other materials suitable for the intended applications and comply with the requirements of this Standard.

## 3 REQUIREMENTS

### 3.1 General

**3.1.1 Carriers.** Carriers for off-the-floor plumbing fixtures shall consist of, at a minimum, the following:

- (a) the (plumbing) fixture support