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INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

IAPMO GUIDE CRITERIA

FOR

STAINLESS STEEL INDUSTRIAL/COMMERCIAL SINKS

IGC 254-2008

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for stainless steel industrial/commercial type sinks. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding design, materials, manufacturing and installation; and to provide for identifying of stainless steel industrial/commercial type sinks.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction, provided any such alternate meets the intent of this standard.

2. SCOPE

- 2.1** This standard covers performance test requirements and marking requirements for stainless steel industrial/commercial type sinks. This standard covers material, general and testing requirements in addition to methods of marking and identification.
- 2.2** This standard applies to industrial/commercial sinks typically those recognized as but not limited to laboratory, service, institutional, scullery, and sacrarium sinks which are not covered under ASME A112.19.3.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard as published.

ASME A112.18.1/CSA B125.1	Plumbing Supply Fittings
ASME A112.18.2/CSA B125.2	Plumbing Waste Fittings
ASME A112.19.3	Stainless Steel Plumbing Fixture (Designed for Residential Use)
CSA B45.0	Plumbing Fixtures

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4. GENERAL REQUIREMENTS

4.1 Materials. The sinks shall be made of stainless steel material complying with Table 1 of ASME A112.19.3

4.2 Wall Thickness. The minimum thickness of the stainless steel shall comply with either Section 4.2.1 (before drawing) or 4.2.2 (after drawing)

4.2.1 Before Drawing. The minimum wall thickness shall be based on the bowl depth as listed:

Bowl Depth (in.)	Min. Thickness (in.)
< 6.5	0.026
6.5 to 7.5	0.029
7.5 to 10	0.032
> 10	0.046

Note: Bowl depth shall be determined by placing a straightedge across the topmost surface of the rim and measuring the depth at a right angle from the straightedge to the bottom of the fixture as close as possible to the waste outlet depression but not in it.

4.2.2 After Drawing. The minimum wall thickness after fabrication shall be:

- a) Vertical surfaces: 0.022 in. (0.559 mm);
- b) Corners: 0.020 in. (0.508 mm); and
- c) Horizontal surfaces: 0.025 in. (0.635 mm)

For Items (a) and (b), the thickness shall be determined by taking the average of six measurements of surface or corner thickness. For Item (c), thickness shall be determined by taking the average of three measurements from the bottom of the fixture and three from the flat surfaces of the flange.

4.3 Construction. Fixtures shall comply with section 2.3 of ASME A112.19.3.

4.4 Dimensions. The overall dimensions and tolerances shall be in accordance manufacturer's specifications.

4.5 Faucet Holes. When provided, faucet holes shall comply with Section 3.5 of ASME A112.19.3 or section 4.10 "Opening and Flat Areas for Supply Fittings" of CSA B45.0.

4.6 Supply Fittings. When provided, supply fittings shall comply with the requirements of ASME A112.18.1/CSA B125.1

4.7 Outlets. Outlets shall comply with the applicable requirements in Section 3.4 of ASME A112.19.3. When supplied, waste fittings shall comply with ASME A112.18.2/ CSA B125.2. Except when proprietary (i.e., non-standard) waste fittings are provided by the manufacturer, the dimensions of waste outlet shall sized to the nominal pipe size of the connecting waste system.