



Standard Specification for Commercial Dishwashing Racks¹

This standard is issued under the fixed designation F 861; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers racks used in commercial spray type dishwashing machines and for storage of clean tableware.

1.2 The following safety hazard caveat pertains only to the test method portion, Section 8, of this specification: *This standard does not purport to address the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

A 167 Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip²

2.2 American National Standard³

ANSI Z1.4 Sampling Procedures and Tables for Inspection by Attributes

2.3 NSF International⁴

ANSI/NSF 3 Commercial Spray-Type Dishwashing and Glasswashing Machines

ANSI/NSF 51 Food Equipment Materials

NSF Food Service Equipment Listing

3. Classification

3.1 Commercial dishwashing racks shall be classified as follows:

3.2 *Type I*—Compartment tray/plate rack with six compartments.

3.2.1 *Type IA*—Service tray rack with six compartments.

3.2.2 *Type IB*—Flatware rack.

3.2.3 *Type IC*—Plate rack with seven compartments (nominal 16 × 16 in.).

3.2.4 *Type ID*—Flatware rack (nominal 16 × 16 in.).

3.2.5 *Type IE*—Circular plate rack.

3.2.6 *Type IF*—Plate rack.

3.3 *Type II*—Cup/Bowl rack.

3.3.1 *Type IIA*—Tumbler rack.

3.3.2 *Type IIB*—Cup rack.

3.3.3 *Type IIC*—Compartmented cup rack.

3.3.4 *Type IID*—Cup/Bowl rack (nominal 16 × 16 in.).

3.3.5 *Type IIE*—Circular compartmented cup, bowl, and flatware rack.

3.4 *Type III*—Carrier cylinder.

3.4.1 *Type IV*—Flatware cylinder (plastic).

3.5 *Type V*—Flatware cylinder (corrosion-resistant steel).

3.6 *Type VI*—Special racks (see 6.7).

4. Ordering Information

4.1 Purchasers should select the preferred options permitted herein and include the following information in the procurement document:

4.1.1 Title, designation, and year of issue of this specification.

4.1.2 Type and style.

4.1.3 Material (See 5.2.1 and 5.2.2).

4.2 The overall height and the maximum diameter, excluding the handle of the cup, must be submitted when ordering racks to meet Type IIC (see 6.3).

4.3 When ordering special racks (Type VI), dimensional data of overall height and maximum diameter of ware must be furnished. For cups, exclude handle from overall diameter measurement (see 6.3).

5. Materials and Manufacture

5.1 Materials:

5.1.1 *Corrosion-Resistant Steel*—Corrosion-resistant steel shall conform to requirements of any 300 series stainless steels specified in Specification A 167.

5.1.2 *Molded Plastic*—Racks shall conform to ANSI/NSF 51 or ANSI/NSF 3.

5.2 Manufacture:

¹ This specification is under the jurisdiction of ASTM Committee F26 on Food Service Equipment and is the direct responsibility of Subcommittee F26.01 on Cleaning and Sanitation Equipment.

Current edition approved Sept. 10, 2003. Published Sept. 2003. Originally approved in 1984. Last previous edition approved in 1998 as F 861 – 94 (1998).

² *Annual Book of ASTM Standards*, Vol 01.03.

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036.

⁴ Available from NSF International, P.O. Box 130140, 789 N. Dixboro Rd., Ann Arbor, MI 48113-0140.