



Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications¹

This standard is issued under the fixed designation F 1548; 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.

1. Scope

1.1 This specification defines classification, materials, test requirements, inspection certification, marking and packaging of fittings for use with gasketed mechanical couplings complying to Specification F 1476.

2. Referenced Documents

2.1 ASTM Standards:

NOTE 1—See Table 1 for equivalency listing of applicable, equivalent specifications.

- A 47 Specification for Ferritic Maleable Iron Castings²
- A 48 Specification for Gray Iron Castings²
- A 53 Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless³
- A 153 Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware⁴
- A 216 Specification for Steel Castings, Carbon Suitable for Fusion for High-Temperature Service²
- A 234 Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and Elevated Temperatures³
- A 312 Specification for Seamless and Welded Austenitic Stainless Steel Pipe³
- A 403 Specification for Wrought Austenitic Stainless Steel Piping Fittings³
- A 536 Specification for Ductile Iron Castings²
- A 743 Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion-Resistant for General Application²
- B 26 Specification for Aluminum-Alloy Sand Castings⁵
- B 75 Specification for Seamless Copper Tube⁶
- B 210 Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes⁵
- B 369 Specification for Copper-Nickel Alloy Castings⁶
- B 584 Specification for Copper-Alloy Sand Castings for

¹ This practice is under the jurisdiction of ASTM Committee F-25 on Ships and Marine Technology and is the direct responsibility of Subcommittee 25.13 on Piping Systems.

Current edition approved August 15, 1994. Published October 1994.

² Annual Book of ASTM Standards, Vol 01.02.

³ Annual Book of ASTM Standards, Vol 01.01.

⁴ Annual Book of ASTM Standards, Vol 01.06.

⁵ Annual Book of ASTM Standards, Vol 02.02.

⁶ Annual Book of ASTM Standards, Vol 02.01.

TABLE 1 Specification Equivalency Table

Spec. Ref. Number	U.S. Designation ASTM	British Standard	ISO Standard
1	A 47	6681	5922
2	A 48	1452	—
3	A 53	3601	—
4	A 153	729	1459, 1460, 1461
5	A 216	3100	—
6	A 234	1640 Pt. 1	—
7	A 312	3605	—
8	A 403	1640 Pt. 2	—
9	A 536	4772	2531, 4179, 8179
10	A 743	3100	—
11	B 26	1490	3522, 7722
12	B 75	2871	—
13	B 210	1471	209
14	B 369	3071	—
15	B 584	1400	—
16	B 633	1706	2081
ANSI			
17	B36.10	3600	4200
18	B36.19	3600	4200
ANSI/AWWA			
19	C151/A21.51	4772	2531, 4179, 8179
20	C606	—	—
MILITARY STANDARDS			
21	MIL-A-8625	—	—
22	MIL-T-704	—	—
23	MIL-STD-45662	5781	—

General Applications⁶

- B 633 Specification for Electrodeposited Coatings of Zinc on Iron and Steel⁷
- F 1476 Specification for the Performance of Gasketed Mechanical Couplings for Use in Piping Applications⁸

2.2 ANSI Standards:⁹

- B 36.10 Welded and Seamless Wrought Steel Pipe
- B 36.19 Stainless Steel Pipe

⁷ Annual Book of ASTM Standards, Vol 02.05.

⁸ Annual Book of ASTM Standards, Vol 01.07.

⁹ Available from American National Standards Institute, 11 W. 42nd St., 13th Floor, New York, NY 10036.