

Manufacturers Standardization Society

1924 – 2010



Leadership And Service Through Standardization

**Manufacturers Standardization Society of the Valve and Fittings Industry, Inc.
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This publication is a historical compendium of MSS and pre-MSS activities from the early 20th century to April 16, 2010.

About MSS

The Manufacturers Standardization Society (MSS) of the Valve and Fittings Industry is a non-profit technical association organized for development and improvement of industry, national and international codes and standards for Valves, Valve Actuators, Pipe Fittings, Valve Modification, Flanges, Pipe Hangers, and Associated Seals. Since its establishment in 1924, MSS has been dedicated to developing standards for global application in the Valve and Fittings Industry, in cooperation with other standardizing bodies and regulatory authorities. MSS is an American National Standards Institute (ANSI)-accredited standards developer.

This publication was created for the benefit of MSS Members and is presented for public dissemination and historical reference.

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| Standard Number [Latest Version] | Standard Title | Technical Committee | Historical Editions | Original Publication and Adoption Date(s) | Year of Last Action | Last Action Taken | Comments |
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| No Doc#-1912 | Manufacturers 1912 Schedules of Flanged Fittings and Flanges | Unknown | N/A | (Oct.)1912; adopted (July)1912 | Unknown | Unknown | Created by the Committee of Manufacturers on Standardization Pipe Fittings and Valves (CMSPFV), the original name of MSS. 100,000 copies were printed of the 16 page 6-3/4x10-1/2 inch circular. Some of the larger companies had their names imprinted on the cover. |
| No Doc#-1912-18 | Design of a line of flanged fittings [Actual title is lost to time and may relate to 1912 Schedules noted above] | N/A | N/A | 1912 | 1912-1914 | Became part of American Standards | Created by the CMSPFV. This Committee collaborated (1912-1914) w/ ASME, the National Association of Master Steam and Hot Water Fitters, and the US Government to create a Joint Committee (predecessor of B16). It appears the flanged fittings document and maybe others became part of a "compromise standard" published in 1914 as "American Standard for Pipe Flanges, Fittings and their Bolting". In 1918, this group started on standards for 50 Lb steam flanges and for 800 Lb, 1200 Lb, and 3000 Lb hydraulic flanges, which were subsequently approved/published by this group. May relate to Standard Schedules for Pressure Classes noted below and 1912 Schedules mentioned above. |
| No Doc#-1914 | American Standard Flange Dimensions for Brass Flanges | Sub-Committee on Brass Flange Standards | N/A | (Jan.)1914; adopted (Sept.)1913 | Unknown | Unknown | This standard came to be known as the "1914 Brass Standards". A copy of this standard exists and it was called an American Standard before AESC/ASA/ANSI or Committee B16 was organized. This standard was later adopted as the basis for MSS SP-2 and eventually incorporated into the B16.24 American Standard. |
| No Doc#-bef. 1914 | Standard for Cast Steel Flanges; Standard for Flanged Steel Cast Steel Fittings; and Rolled Steel or Welded Steel for High Pressure Steam | Unknown | N/A | Bef. 1914 | Unknown | Unknown | Publication info on these standards is unknown. The Subcommittee on Hydraulic Flange Standards began investigating the 3 standards in 1914 and became the basis later for dimensional correspondence of class 150 and 300 steel flanges with class 125 and 250 cast iron flanges. |
| No Doc#-circa 1915 | Standard Schedules for Pressure Classes; namely (1) 800 Lb. Hydrostatic Made from Semi-Steel and Cast Steel, (2) 1200 Lb. Hydrostatic Made from Semi-Steel and Cast Steel, and (3) 3000 Lb. Hydrostatic Made from Cast Steel Only [Note the exact names of these 3 standards are unknown] | Manufacturers Committee | Unknown | circa 1915 | Unknown | Unknown | It is suggested that these were the first standards published on steel flanges, even before the ASA was organized. These standards were later approved as American Standards and published by ASME. |
| No Doc#-1912 | Design of a line of flanged fittings (actual title is lost to time) | | | 1912 | 1912-1914 | Became part of American Standards | Created by the Committee of Manufacturers on Standardization Pipe Fittings and Valves, the original name of MSS. This Committee collaborated (1912-1914) w/ ASME, the National Association of Master Steam and Hot Water Fitters, and the US Government to create a Joint Committee (predecessor of B16). It appears the flanged fittings document and maybe others became part of a "compromise standard" published in 1914 as "American Standard for Pipe Flanges, Fittings and their Bolting". In 1918, this group started on standards for 50 Lb steam flanges and for 800 Lb, 1200 Lb, and 3000 Lb hydraulic flanges, which were subsequently approved/published by this group. |
| SP-1-1929 | Pipe Plugs | 108 | N/A | (October)1929; adopted (March)1928 | 1936 | Withdrawn | Promulgated originally into ASA B16e2-1936 and eventually into ASA-approved B16.14 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-2-1946 (R1949) | 150 and 300 Lb. Bronze Flanges & Flanged Fittings [Originally included two standards: MSS 150 Lb. SP Bronze Flange Standard (No. SP-2a-1930) and MSS 250 Lb. SP Bronze Flange Standard (No. SP-2b-1930)] [1937 title: MSS 150, 250 and 300Lb. SP Bronze Flange and Flanged Fitting Standard] [1943 title: MSS 150 and 300 LB SP Bronze Flange and Flanged Fitting Standard] | 201 | 1928, 1930, 1936, 1937, 1943, 1946, R1949 | (March)1928 | 1953 | Withdrawn | Promulgated into ASA-approved B16.24 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-3-1944 (R1949) | Roughing-in Dimensions for Low Pressure Radiator Valves, Union Elbows and Return-Line Vacuum Valves [1926 title: Roughing-in Dimensions for Light Radiator Valves and Union Elbows] | Unknown | 1926, 1929, 1944, R1949 | (Jan)1926; adopted (June)1925 | 1963 | Withdrawn | Withdrawn for Lack of Use (due to industry innovation). This SP had also been adopted by the Heating, Piping and Air Conditioning Contractors National Association. |
| SP-4-1929 | "MSS Steel Base-Fittings Standard" for 250, 400, 600 & 900 Lb. WSP | Unknown | 1928, 1929 | (Jan.)1928; adopted (Nov.)1927 | 1932 | Withdrawn | Promulgated into ASA-approved B16.5 American Standard (Published through ASME as the Sectional Committee Secretariat). Note that a 1950 List (i.e., back cover of SP) indicates the American Standard as B16e and a 1959 list indicates B16.5-1957. Note that this SP became part of ASA-approved American Standard B16e-1939, which was also basis for B16e5-1943 American War Standard. |
| SP-5-1944 | By-Pass Size Standard [1925 title: "MSS By-Pass & Drain Standard" for Steel Gate Valves for 250, 400, 600 & 900 Lb. WSP] | 106 | 1925, 1937, 1944(Reprinted) | (Jan)1925; adopted (July)1924 | 1953 | Withdrawn | Incorporated into MSS SP-45-1953. |

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| SP-6-2007 | Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings [Original 1929-39 title: <i>Finishes for Contact Faces of Connecting-End Flanges of Ferrous Valves and Fittings</i>] | 102, 110, 201 | 1929, 1939, 1947, R1950, 1951, 1955, 1961, 1963, 1974, 1980, 1985, 1990, 1996, 2001 | (Jan.)1930; adopted (Dec.)1929 | 2007 | Revised | U.S. Department of Defense (DoD) Adopted 1/29/1990 (DoD Activity Symbol: YD - Navy). |
| SP-7 | NEVER ISSUED | | | | | | |
| SP-8-1929 | Cast Iron Screwed Drainage Fittings - General Details and Center to End Dimensions [Also a 1929 Supplement] | Unknown | N/A | (May)1929; adopted (April)1929; (June)1929 Supplement | 1942 | Withdrawn | Promulgated into ASA-approved B16.12 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-9-2008 | Spot Facing for Bronze, Iron and Steel Flanges [1929-42 title: <i>MSS Spot-Facing Standard</i>] | 102, 110, 201 | 1929, 1942, 1947, R1950, 1955, 1964, 1970, 1977, 1984, 1987, 1992, 1997, 2001, R2005 | (Aug.)1929; adopted (July)1929 | 2008 | Revised | The 2008 edition covers requirements for metric bolting. |
| SP-10-1944 | MSS 125 Lb. SP Bronze Screw Pipe Fittings Standard | 204 (see legend) | 1930, 1932 (amended), 1941, 1943, 1944 | (Sept.)1930; adopted (Sept.)1930 | 1949 | Withdrawn | Promulgated into ASA-approved B16.15 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-11-1944 | MSS 250 LB SP Bronze Screw Pipe Fittings Standard [1930 title: <i>250 LB SP Bronze Screw Fittings - General Details and Center to End Dimensions</i>] | 204 (see legend) | 1930, 1944 | (Sept.)1930 (effective date and adopted) | 1949 | Withdrawn | Promulgated originally into ASA-approved B16.17 and later into ASA-approved B16.15 American Standard (Published through ASME as the Sectional Committee Secretariat). Note that a 1950 and 1959 List indicates the American Standard as B16.17. The 1974 MSS Anniversary Issue indicated "Now in B16.15". |
| SP-12 | NEVER ISSUED | | | | | | |
| SP-13 | NEVER ISSUED | | | | | | |
| SP-14-1930 | MSS 25 LB. W.S.P. Cast Iron Flange Standard | Unknown | N/A | (Jan.)1930; adopted (Dec.)1929 | 1931 | Withdrawn | Promulgated into ASA-approved B16.1 American Standard (Published through ASME as the Sectional Committee Secretariat). Note that a 1950 and 1959 List indicates the American Standard as B16b2 and a notation on archival copy indicates ASA B16b2-1931. The 1974 MSS Anniversary Issue indicated "Now in B16.1". |
| SP-15-1930 | MSS 25 LB. W.S.P. Cast Iron Flanged Fitting Standard | Unknown | N/A | (Jan.)1930; adopted (Dec.)1929 | 1931 | Withdrawn | Promulgated into ASA-approved B16.1 American Standard (Published through ASME as the Sectional Committee Secretariat). Note that a 1950 and 1959 List indicates the American Standard as B16b2 and a notation on archival copy indicates ASA B16b2-1931. The 1974 MSS Anniversary Issue indicated "Now in B16.1". |
| SP-16-1937 | MSS Pipe Bushings Standard - Cast Iron and Malleable Iron [1929 title: <i>"M.S.S. Pipe Bushings Standard" Cast Iron - Malleable Iron - Bronze</i>] | 108 | 1929, 1937, 1939(Amendment 1), 1940(Amendment 2) | Adopted (Dec.)1929; two Amendments approved 1939/1940 | 1949 | Withdrawn | Promulgated into ASA-approved B16.14 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-17-1937 | MSS Locknut Standard - Cast Iron and Malleable Iron | 108 | N/A | (Jan.)1938; adopted (July)1937 [Note SP used 1937 date] | 1949 | Withdrawn | Promulgated into ASA-approved B16.14-1949 American Standard (Published through ASME as the Sectional Committee Secretariat). Withdrawn in deference to ASA B16.14 standard. |
| SP-18 | NEVER ISSUED | | | | | | |
| SP-19 | NEVER ISSUED | | | | | | |
| SP-20-1946 | Steam-Bronze Castings for Valves, Flanges and Pipe Fittings [Original March 1931 title: <i>Steam-Bronze Castings for Flanges, Pipe Fittings and Pressure-Containing Parts of Valves</i> ; May 1931 title: <i>Steam Bronze Castings for Flanges, Pipe Fittings and Pressure-Containing Parts of Valves</i>] | Unknown | (March)1931, (May)1931, 1936, 1943, 1946 | (March)1931 (effective and adopted) | 1956 | Withdrawn | Incorporated into ASTM B61 & B62 by 1946. Withdrawn in deference to ASTM standards. Note that both ASTM standards also reference SP-25. |

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| SP-21-1930 | ASTM Specifications (A126-30) for Gray Iron Castings for Valves, Flanges and Pipe Fittings | Unknown | N/A | (July)1930; adopted (Feb.)1930 | 1943 | Withdrawn | Originally developed by ASTM and adopted as an SP by MSS in 1930. Incorporated into ASTM A126-1942. Withdrawn in deference to ASTM standard in 1943. |
| SP-22-1937 | Malleable Iron Castings for Flanges, Pipe fittings and Valve Parts | Unknown | 1931, 1937 | (July)1931 (effective and adopted) | 1942 | Withdrawn | Incorporated into ASTM A197-1939. Withdrawn in deference to ASTM standard. |
| SP-23-1943 | Hardware Bronze | Unknown | 1943 | (April)1943 | 1943 | Never Published | Approved in 4/1943, but never printed as superseding ASTM B140 became available at this time. This SP deferred to ASTM standard. |
| SP-24 | NEVER ISSUED | Unknown | | | | | |
| SP-25-2008 | Standard Marking System for Valves, Fittings, Flanges, and Unions [1934 title: <i>Product Marking System</i>] | 302 | 1934, 1936, 1954, 1958, 1960, 1964, 1978, R1983, R1988, 1993, 1998 | (July)1935; adopted (July)1934 [Note original SP used 1934 date] | 2008 | Revised | Referenced in ASTM B61 & B62. Also widely referenced in ASME B16 and International standards. DoD Adopted 5/16/1988 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-26 | NEVER ISSUED | | | | | | |
| SP-27 | NEVER ISSUED | | | | | | |
| SP-28-1945 | Drain Tapping Standard - Method of Designating Location of Tapped Holes in Valves and Fittings [1937 title: <i>Drain Tapping Standard</i>] | 106 | 1937, 1945 | (July)1937; adopted (Feb.)1937 | 1952 | Withdrawn | Incorporated into MSS SP-45-1953. |
| SP-29-1943 | Straight Screw Threads for High Temperature Testing [Original title: <i>MSS Screw Thread Standard for High Temperature & Temperature Bolting</i>] [1943 title: <i>MSS Screw Thread Standard for Straight Screw Threads for High Temperature Bolting</i>] | Unknown | 1932, 1939, 1943 | (Jan.)1932 (effective and adapted) | 1945 | Withdrawn | Promulgated into ASA-approved B1.4 American Standard (Published through ASME as the Sectional Committee Secretariat). Note that a 1950 and 1954 List, and a notation in a historical 1943 version, indicate the American Standard as ASA B1.4-1945. A 1959 List indicates the American Standard as B1.1-1949, Unified and American Screw Threads. The 1974 MSS Anniversary Issue indicated "Now in B1.4". |
| SP-30 | NEVER ISSUED | | | | | | |
| SP-31-1950 | 300 LB SP Malleable Iron Screw Fittings | Unknown | 1932, 1934, 1944, 1950 | (Oct.)1932 | 1951 | Withdrawn | Promulgated into ASA-approved B16.3 American Standard (Published through ASME as the Sectional Committee Secretariat). Note that a 1959 List and a notation in a 1950 historical version indicate the American Standard as B16.19-1951. The 1974 MSS Anniversary Issue indicated "Now in B16.3". |
| SP-32-1937 | MSS Ferrous Flanged Valve Center-to-Face Standard | Unknown | 1931, 1937(effective 1938); Amendment 1 adopted (Oct.)1938 | (July)1932; adopted (Oct.)1931 | 1942 | Withdrawn | Promulgated into ASA-approved B16.10-1939 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-33 | NEVER ISSUED | | | | | | |
| SP-34T-1932 | Service Ratings & Test Standard-Valves and Fittings | Unknown | N/A | (July)1932 (effective and adapted) | 1943 | Withdrawn | Issued as a temporary standard and carried prefix "T" (i.e., SP-34T-1932). |
| SP-35-1936 | Railing Fittings - Male and Female Threads | Unknown | N/A | (Jan.)1937; adopted (June)1936 [Note SP used 1937 date] | 1945 | Withdrawn | Promulgated into ASA-approved B2.1-1942 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-36 | NEVER ISSUED | | | | | | |
| SP-37-1959 | 125 LB Bronze Gate Valves [1943 title: <i>MSS 125 LB SP Bronze Gate Valves</i>] | Unknown | 1943, 1949, R1953, 1959 | (Feb.)1944; adopted (Feb.)1943 | 1974; 1959 (last Rev.) | Withdrawn after 1974 | Last Revision (1959); Withdrawn after 1974. Incorporated into MSS SP-80 (1974). |
| SP-38-1955 | 100 LB Bronze Gate Valves | Unknown | 1943, R1949, 1955 | (July)1943 | 1960 | Withdrawn December 1960 | Withdrawn due to lack of Use (due to industry innovation). |

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| SP-39-1949 | Carbon Steel Machine Bolts and Nuts for Flanged Products [1945 title: <i>MSS Specification for Carbon Steel Machine Bolts and Nuts for Flanged Products</i>] | Unknown | 1945, 1949 | (June)1945 | 1955 | Withdrawn | Incorporated into ASTM A307 Grade B (1949). Withdrawn in deference to ASTM standard. |
| SP-40-1946 | MSS Specifications for Leaded Brass and Leaded Semi-Red Brass Castings for Valves & Pipe Fittings | Unknown | N/A | (Aug.)1946 | 1961 | Withdrawn | Incorporated into ASTM B145 (1961). Withdrawn in deference to ASTM standard. Note that B145 was withdrawn in 1972 and replaced by B584. |
| SP-41-1953 | Stainless Steel Castings for Valves, Flanges and Pipe Fittings [1949 title: <i>MSS Specifications for Stainless Steel Castings for Valves, Flanges and Pipe Fittings</i>] | Unknown | 1949, 1951, 1953 | (March)1949 | 1954 | Withdrawn | Incorporated into ASTM A351. Withdrawn in deference to ASTM standard. Note that the original 1949 edition was based on ASTM A296-46T; the 1951 edition conforms to ASTM A296-49T; 1953 edition conforms to ASTM A351-52T. |
| SP-42-2009 | Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300 & 600) [1949-55 title: <i>150 LB Corrosion Resistant Cast Flanged Valves, Flanges, and Flanged Fittings</i> ; 1957-59 title change: <i>150 LB Corrosion Resistant Cast Flanged Valves</i> ; 1978 title change: <i>Class 150 Corrosion Resistant Gate, Globe, Angle and Check Valves with Flanged and Butt Weld Ends</i> ; 2009 title change: <i>current title</i> . | 114 | 1949, 1951, 1952, 1953, 1955, 1957, 1959, 1978(w/Errata), 1985, 1990, R1995, 1999, 2004 | (Oct.)1949 | 2009 | Revised | This SP previously included content of SP-51. Also note that this SP had early coverage for Class 150 valves only. The 2009 edition covers Classes 150, 300, and 600. |
| SP-43-2008 | Wrought and Fabricated Butt-Welding Fittings for Low Pressure, Corrosion Resistant Applications [1950-52 title: <i>Stainless Steel Butt-Welding Fittings</i> ; 1950-57 title: <i>Stainless Steel Butt-Welding Fittings - Including Reference to other Corrosion Resistant Materials</i> ; 1959-R2001 title: <i>Wrought Stainless Steel Butt-Welding Fittings - Including Reference to other Corrosion Resistant Materials</i>] | 113 | 1950, 1952, 1955/1956, 1957, 1959, 1971, 1976, 1982, R1986, 1991, R1996, R2001 | (Oct.)1950 | 2008 (2010 Errata) | Revised (Errata Sheet published 2/2010) | DoD Adopted or referenced; Confirmed in 2009 DoD Engineering database. |
| SP-44-2010 | Steel Pipeline Flanges [1952-91 title: <i>Steel Pipe Line Flanges</i>] | 110 | 1952, 1953, 1955, 1970, 1972, 1975, 1981, 1982, 1985, 1990, 1991, 1996(additional Errata released in 1996), R2001, 2006 | (July)1952 | 2009 | Revised | The 2010 Revision was approved in October 2009 and published 3/3/2010. SP-44 dimensions were adopted by ASME B16.47 for Series A flange dimensions. Referenced in ANSI/API 6D and ISO 14313:2007. DoD Adopted or referenced; Confirmed in 2009 DoD Engineering database. |
| SP-45-2003 (R2008) | Bypass and Drain Connections [1953-76 title: <i>Bypass and Drain Connection Standard</i> ; 1982-R87 title: <i>By-Pass and Drain Connection Standard</i>] | 106 | 1953, 1971 (additional Errata released in 1971), 1976, 1982, R1987, 1992, 1998, 2003 | (July)1953 | 2008 | Reaffirmed | Formerly SP-5 and SP-28. DoD Adopted 4/26/1989 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-46-1955 | Assembly of Steel Raised Face Flanges to Cast Iron, Brass, Bronze or Stainless Steel Flanges | 110 | N/A | (March)1955 | 1970 | Withdrawn | Promulgated into ANSI-approved B16.5 American National Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-47-1956 | Limiting Dimensions of Raised Face Gaskets which meet Requirements of ASA B16.5 for Class A Ratings | 110 | 1955, 1956 | (Sept.)1955 | 1966 | Withdrawn | Promulgated into USASI-approved B16.5 USA Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-48-1969 | Steel Butt-Welding Fittings (26" and Larger) | 113 | 1956, 1969 | (April)1956 | 1969 | Withdrawn | Promulgated into (ASA)ANSI-approved B16.9 American [National] Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-49-1956 | Forged Steel Screwed Fittings - 2000-3000 and 6000 Pound | 105 | N/A | (April)1956 | 1967 | Withdrawn | Promulgated into USASI-approved B16.11 USA Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-50-1956 | Forged Steel Plugs and Bushings | 105 | N/A | (Sept.)1956 | 1967 | Withdrawn | Promulgated into USASI-approved B16.11 USA Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-51-2007 | Class 150LW Corrosion Resistant Flanges and Cast Flanged Fittings [1949-R1965 title: <i>150 LB Corrosion Resistant Cast Flanges and Flanged Fittings</i>] | 110 | 1949, 1957, R1965, 1978, 1982, 1986, 1991, R1995, 2000, 2003 | (Oct.)1949 | 2007 | Revised | This SP was originally part of SP-42. |
| SP-52-1957 | Cast Iron Pipeline Valves | 106 | N/A | (Oct.)1957 | 1972 | Withdrawn | Incorporated into MSS SP-70 & 78. |

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| SP-53-1999 (R2007) | Quality Standard for Steel Castings and Forgings for Valves, Flanges, and Fittings and Other Piping Components - Magnetic Particle Examination Method [1958-71 title: <i>Quality Standard for Steel Castings for Valves, Flanges and Fittings and other Piping Components - Dry Powder Magnetic Particle Inspection Method</i>] | 304 | 1958, 1971, 1980, 1985, R1990, 1995, 1999, R2002 | (Jan.)1957 | 2007 | Reaffirmed | DoD Adopted or referenced; Confirmed in 2009 DoD Engineering database. |
| SP-54-1999 (R2007) | Quality Standard for Steel Castings and Forgings for Valves, Flanges, and Fittings and Other Piping Components - Radiographic Examination Method [1959-71 title: <i>Quality Standard for Steel Castings for Valves, Flanges and Fittings and other Piping Components - Radiographic Inspection Method</i>] | 304 | 1959, 1960, 1971, 1978, 1980, 1985, R1990, 1995, 1999, R2002 | (Feb.)1959 | 2007 | Reaffirmed | DoD Adopted or referenced; Confirmed in 2009 DoD Engineering database. |
| SP-55-2006 | Quality Standard for Steel Castings for Valves, Flanges, Fittings, and Other Piping Components - Visual Method for Evaluation of Surface Irregularities [Hard-Copy ONLY] [1961-85(R1990) title: <i>Quality Standard for Steel Castings for Valves, Flanges and Fittings and other Piping Components - Visual Method</i>] | 304 | 1961, 1971, R1975, R1980, 1985, R1990, 1996, 2001 | (April)1961 | 2006 | Revised | Referenced in ASTM A351, ANSI/API 6D, and ISO 14313:2007. Also referenced by other ASME and API standards. DoD Adopted 6/2/1987[1998] (DoD Activity Symbol: MR - Army). Confirmed in 2009 DoD Engineering database. |
| SP-56 | NEVER ISSUED | | | | | | |
| SP-57 | NEVER ISSUED | | | | | | |
| SP-58-2009 | Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation [1959-63 title: <i>Pipe Hangers and Supports</i> ; 1967 title: <i>Pipe Hangers and Supports - Materials and Design</i> ; 1975-2002 title: <i>Pipe Hangers and Supports - Materials, Design, and Manufacture</i>] | 403 | 1959, 1963, 1967, 1975, 1975(ANSI-apr'd ANS edition), 1983(ANSI-apr'd ANS edition), 1988, 1993, 2002 | (Sept.)1959 | 2009 | Revised (incl. title change and incorp. Of other material) | 1975 and 1983 editions were an ANS (approved by ANSI April 1978(March 1979)/(March)1983). New SP-58-2009 includes a title change and incorporates the content of existing SP-69, 77, 89, 90 (these SPs remain active/available until withdrawn). DoD Adopted 8/8/1991 (DoD Activity Symbol: YD - Navy); Used instead of WW-H-171 in part. Confirmed in 2009 DoD Engineering database. |
| SP-59-1959 | Steel Butt-Welding Short Radius Elbows and Returns | 113 | N/A | (Nov.)1959 | 1965 | Withdrawn | Promulgated into ASA-approved B16.28 American Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-60-2004 | Connecting Flange Joint Between Tapping Sleeves and Tapping Valves | 112 | 1960, 1969, 1976, R1981, 1982, R1986, 1991, 1999 | (June)1960 | 2004 | Revised | |
| SP-61-2009 | Pressure Testing of Valves [1961 title: <i>Hydrostatic Testing of Steel Valves</i> ; 1977-2003 title: <i>Pressure Testing of Steel Valves</i>] | 114 (C-304, up to circa 2000) | 1961, 1977, 1985, 1992, 1999, 2003 | (Feb.)1961 | 2009 | Revised | Incorporated content of withdrawn SP-82. DoD Adopted 6/22/1989 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-62-1961 | Wrought Steel Venturi Reducers | 113 | N/A | (Aug.)1961 | 1973 | Withdrawn | Withdrawn due to "Lack of Use" (due to industry innovation). |
| SP-63-1969 | High Strength Wrought Welding Fittings | 113 | 1961, 1967, 1969 | (Aug.)1961 | 1973 | Withdrawn | Incorporated into MSS SP-75. |
| SP-64-1961 | Wrought Copper and Bronze Solder-Joint Drainage Fittings | 204 (see legend) | N/A | (Oct.)1961 | 1967 | Withdrawn | Promulgated into USASI-approved B16.29 USA Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-65-2008 | High Pressure Chemical Industry Flanges and Threaded Stubs for Use with Lens Gaskets | 110 | 1962, R1968, 1977, 1981, 1983, 1988, 1990, 1994, 1999, 2004 | (Sept.)1962 | 2008 | Revised | |
| SP-66-1964 | Pressure-Temperature Ratings for Steel Butt-Welding End Valves | 114 | N/A | (Jan)1964 | 1974 | Withdrawn | Promulgated into ANSI-approved B16.34-1973 American National Standard (Published through ASME as the Sectional Committee Secretariat). Note that B16.34 was originally published in 1939 as ASA B16e. Indicated in 1974 that this SP was "Officially withdrawn, but copies available to satisfy industry needs". |
| SP-66-1965 Supplemental | A Discussion of Design and Ratings of Steel Butt-Welding End Valves | Unknown | | (March)1965 | | | |

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| SP-67-2002a | Butterfly Valves | 407 | 1964, 1966, 1970, 1976, 1976(incl. supplement), 1983, 1990, 1995, 2002 | (May)1964 | 2002 ("a" edition) | Revised | DoD Adopted 6/29/1990 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-68-1965 (Original) | Cast Bronze Solder Joint No-Hub Adapter for Copper to Soil Pipe Connections | Unknown | N/A | (Oct.)1965 | 1969 | Withdrawn | Promulgated into (ASA)ANSI-approved B16.23 American [National] Standard (Published through ASME as the Sectional Committee Secretariat). |
| SP-68-1997 (R2004) | High Pressure Butterfly Valves with Offset Design [1984-88 title: <i>High Pressure-Offset Seat Butterfly Valves</i>] | 407 | 1984, 1988, 1997 | 1984 | 2004 | Reaffirmed | Used same number as a previous withdrawn SP-68-1965. |
| ANSI/MSS SP-69-2003 | Pipe Hangers and Supports – Selection and Application | 403 | 1966, 1976, 1983, 1991, 1996, 2002, 2003(MSS edition) | MSS-(July)1966; ANS-2003 | 2003 / 2004 | Revised MSS(2003) Approved ANS(2004) | Content incorporated into Revised SP-58-2009. Still active/avail. as an ANS until withdrawn (after SP-58-2009 becomes ANS). DoD Adopted 10/16/1991 (DoD Activity Symbol: YD - Navy); Used instead of WW-H-171 in part. Confirmed in 2009 DoD Engineering database. |
| SP-70-2006 | Gray Iron Gate Valves Flanged and Threaded Ends [1970-98 title: <i>Cast Iron Gate Valves, Flanged and Threaded Ends</i>] | 106 | 1970, 1976, 1984, 1990, 1998 | (Feb.)1970 | 2006 | Revised | DoD Adopted 8/23/1991 (DoD Activity Symbol: YD - Navy); Used instead of WW-V-58 (MIL Spec cancelled 11/7/1984). Confirmed in 2009 DoD Engineering database. |
| SP-71-2005 | Gray Iron Swing Check Valves, Flanged and Threaded Ends [1970-90 title: <i>Cast Iron Swing Check Valves, Flanged and Threaded Ends</i>] | 106 | 1970, 1976, 1984, 1990, 1997 | (Feb.)1970 | 2005 | Revised | DoD Adopted 8/23/1991 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-72-2010 | Ball Valves with Flanged or Butt-Welding Ends for General Service | 401 | 1970, 1987, 1992, 1999 | (Feb.)1970 | 2010 | Revised | DoD Adopted 10/9/1987 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-73-2003 | Brazing Joints for Copper and Copper Alloy Pressure Fittings [1970-78 title: <i>Silver Brazing Joints for Wrought and Cast Solder Joint Fittings</i> ; 1982 title: <i>Silver Brazing Joints for Wrought Copper and Copper Alloy and Cast Copper Alloy Solder Joint Pressure fittings</i> ; 1986 title: <i>Brazing Joints for Wrought and Cast Copper Alloy Solder Joint Pressure fittings</i> ; 1991-2003 title: <i>Brazing Joints for Copper and Copper Alloy Pressure Fittings</i>] | 201 | 1970, 1978, 1982, 1986, 1991, R1996, 2003 | (Feb.)1970 | 2006 | Withdrawn 12/31/2006 | Incorporated into/Replaced by ASME B16.50 (an ANSI-approved ANS). |
| SP-74-1970 | Cast Bronze Solder Joint Fittings for Solvent Drainage Systems | 205 (see legend) | N/A | (Sept.)1970 | 1973 | Withdrawn | Incorporated into ASME B16.32 (an ANSI-approved ANS). |
| SP-75-2008 | Specification for High-Test, Wrought, Butt-Welding Fittings [1970-76 title: <i>Specification for High Test Wrought Welding Fittings</i> ; 1981-98 title: <i>Specification for High Test Wrought Butt Welding Fittings</i>] | 113 | 1970, 1970 (w/ 1971 revision), 1973, 1976, 1978 Addenda(to 1976 version), 1981, 1983, 1988, 1993, 1998, 2004 | (Sept.)1970 | 2008 | Revised | |
| SP-76-1970 | Malleable Iron Threaded Pipe Unions, 150, 250, and 300 LBS. | 108 | N/A | (Sept.)1970 | After 1974 | Withdrawn | Incorporated into ASME B16.39 (an ANSI-approved ANS). |
| SP-77-1995 (R2000) | Guidelines for Pipe Support Contractual Relationships - <i>Relationships and Responsibilities of the Pipe Hanger Contractor with the Purchaser's Engineer or the Pipe Fabricator and/or Erector</i> [1971-R78 title: <i>Guide Lines for Pipe Support Contractual Relationships - Relationships and Responsibilities Between Pipe Hanger Contractor and Purchaser's Engineer or Pipe Fabricator and/or Erector</i>] | 403 | 1971, R1978, 1984, R1990, 1995 | (Sept.)1971 | 2000 | Reaffirmed | To be withdrawn. Content incorporated into Revised SP-58-2009. Still active/available until withdrawn. |
| SP-78-2005a | Gray Iron Plug Valves, Flanged and Threaded Ends [1972 title: <i>Cast Iron Plug Valves</i> ; 1977-98 title: <i>Cast Iron Plug Valves, Flanged and Threaded Ends</i>] | 106 | 1972, 1977, 1987, R1992, 1998, 2005 | (Sept.)1972 | 2005("a" edition) | Revised | DoD Adopted 6/9/1987 (DoD Activity Symbol: YD - Navy); Used instead of MIL-V-12003 in part, Navy only. Confirmed in 2009 DoD Engineering database. |
| SP-79-2009 | Socket Welding Reducer Inserts | 105 | 1974, 1980, 1989, 1992, 1999, 1999a, 2004 | (March)1974 | 2009 | Revised | |

| Standard Number [Latest Version] | Standard Title | Technical Committee | Historical Editions | Original Publication and Adoption Date(s) | Year of Last Action | Last Action Taken | Comments |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------|-------------------------------------------|---------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SP-80-2008 | Bronze Gate, Globe, Angle, and Check Valves | 203 | 1974, 1979, 1987, 1997, 2003 | (Nov.)1974 | 2008 | Revised | DoD Adopted 10/2/1987 (DoD Activity Symbol: YD - Navy); Used instead of (1) MIL-V-1187 (MIL Spec cancelled 3/9/1983); (2) MIL-V-1202 (MIL Spec cancelled 3/8/1982); (3) WW-V-51 (MIL Spec cancelled 4/5/1983); and (4) MIL-V-54 (MIL Spec cancelled 4/5/1983). Confirmed in 2009 DoD Engineering database. |
| SP-81-2006a | Stainless Steel, Bonnetless, Flanged Knife Gate Valves [1975 title: <i>Stainless Steel, Bonnetless, Flanged, Wafer, Knife Gate Valves</i>] | 114 | 1975, 1981, R1986, R1991, 1995, 2000, 2001, 2006 | (Aug.)1975 | 2006("a" edition) | Revised | DoD Adopted 11/17/1988 (DoD Activity Symbol: YD - Navy). |
| SP-82-1992 | Valve Pressure Testing Methods | 304 | 1976, R1981, R1986, 1992 | 1976 | 2000/2004 | Withdrawn 12/31/2004 | SP-82 was replaced by SP-61. |
| SP-83-2006 | Class 3000 Steel Pipe Unions Socket Welding and Threaded [1976 title: <i>Carbon Steel Pipe Unions, Socket-Welding and Threaded</i> ; 1987 title: <i>Steel Pipe Unions, Socket-Welding and Threaded</i>] | 105 | 1976, 1987, 1995, 2001 | 1976 | 2006 | Revised | DoD Adopted 4/26/1989 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-84-1990 | Valves-Socket-Welding and Threaded Ends [1976-85 title: <i>Steel Valves-Socket Welding and Threaded Ends</i>] | 114 | 1976, 1978, 1985, 1990 | 1976 | 1996 | Withdrawn 5/3/1996 | Incorporated into ASME B16.34-1988 (an ANSI-approved ANS). DoD Adopted 6/29/1990 (DoD Activity Symbol: YD - Navy). |
| SP-85-2002 | Gray Iron Globe & Angle Valves Flanged and Threaded Ends [1976-94 title: <i>Cast Iron Globe & Angle Valves, Flanged and Threaded Ends</i>] | 106 | 1976, 1985, 1994 | 1976 | 2002 | Revised | DoD Adopted 3/16/1986 (DoD Activity Symbol: YD - Navy); Used instead of MIL-V-18826 (MIL Spec cancelled 3/16/1986). Confirmed in 2009 DoD Engineering database. |
| SP-86-2009 | Guidelines for Metric Data in Standards for Valves, Flanges, Fittings, and Actuators [1977 title: <i>MSS Guidelines for Metric Data in Standards for Valves, Flanges, and Fittings</i> ; 1981 title: <i>Guidelines for Metric Data in Standards for Valves, Flanges, and Fittings</i>] | 302 | 1977, 1981, 1981(w/ 1/1983 Errata), 1987, R1992, 1997, 2002 | (July)1977 | 2009 | Revised | DoD Adopted or referenced; Confirmed in 2009 DoD Engineering database. |
| SP-87-1991 (R 1996) | Factory-Made Butt-Welding Fittings for Class 1 Nuclear Piping Applications | 113 | 1977, 1977(w/ 1978 Addenda), 1982, R1986, 1991, R1996 | (Sept)1977 | circa 2001 | Withdrawn | Reason unclear (believed to relate to nuclear industry slowdown). Minutes of 8/27-28/2001 MSS BoD meeting indicates approval to withdraw SP-87 (Board unanimously approved withdraw). |
| SP-88-2010 | Diaphragm Valves [1978-93 title: <i>Diaphragm Type Valves</i>] | 406 | 1978, 1983, R1988, 1993, R2001 | (Jan.)1978 | 2010 | Revised | DoD Adopted 5/16/1988 (DoD Activity Symbol: YD - Navy); Used instead of MIL-V-82026 (MIL Spec cancelled 11/16/1984). |
| SP-89-2003 | Pipe Hangers and Supports - Fabrication and Installation Practices | 403 | 1978, 1985, 1991, 1998 | 1978 | 2003 | Revised | To be withdrawn. Content incorporated into Revised SP-58-2009. Still active/available until withdrawn. DoD Adopted 10/16/1991 (DoD Activity Symbol: YD - Navy). Confirmed in 2009 DoD Engineering database. |
| SP-90-2000 | Guidelines on Terminology for Pipe Hangers and Supports | 403 | 1980, 1986, R1991 | 1980 | 2000 | Revised | To be withdrawn. Content incorporated into Revised SP-58-2009. Still active/available until withdrawn. |
| SP-91-2009 | Guidelines for Manual Operation of Valves | 306 | 1980, 1984, 1990, 1992, R1996 | 1980 | 2009 | Revised | |
| SP-92-1999 | MSS Valve User Guide | 306 (C-304, up to circa 2000) | 1980, 1987, R1992 | 1980 | 1999 | Revised | |
| SP-93-2008 | Quality Standard for Steel Castings and Forgings for Valves, Flanges, Fittings, and Other Piping Components - Liquid Penetrant Examination Method | 304 | 1982, 1987, R1992, 1999, R2004 | (Nov.)1982 | 2008 | Revised | |
| SP-94-2008 | Quality Standard for Ferritic and Martensitic Steel Castings for Valves, Flanges, Fittings, and Other Piping Components - Ultrasonic Examination Method [1983-R2004 title: <i>Quality Standard for Ferritic and Martensitic Steel Castings for Valves, Flanges, and Fittings and Other Piping Components - Ultrasonic Examination Method</i>] | 304 | 1983, R1987, 1992, 1999, R2004 | (Sept.)1983 | 2008 | Revised | |
| SP-95-2006 | Swage(d) Nipples and Bull Plugs | 105 | 1986, R1991, 2000 | (March)1986 | 2006 | Revised | |
| SP-96-2001 (R2005) | Guidelines on Terminology for Valves and Fittings | 302 | 1986, 1991, 1996, 2001 | (Sept.)1986 | 2005 | Reaffirmed | |

| Standard Number [Latest Version] | Standard Title | Technical Committee | Historical Editions | Original Publication and Adoption Date(s) | Year of Last Action | Last Action Taken | Comments |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|-------------------------------------------|---------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SP-97-2006 | Integrally Reinforced Forged Branch Outlet Fittings - Socket Welding, Threaded, and Buttwelding Ends [1987 title: <i>Forged Carbon Steel Branch Outlet Fittings - Socket Welding, Threaded and Buttwelding Ends</i>] | 105 | 1987, 1995, 2001 | (June)1987 | 2006 | Revised | |
| SP-98-2001 (R2005) | Protective Coatings for the Interior of Valves, Hydrants, and Fittings [1987 title: <i>Protective Epoxy Coatings for the Interior of Valves and Hydrants</i> ; 1992 title: <i>Protective Coatings for the Interior of Valves and Hydrants</i>] | 112 | 1987, 1992, 1996, 2001 | (June)1987 | 2005 | Reaffirmed | |
| SP-99-1994 (R2005) | Instrument Valves | 115 | 1987, 1989, 1994, R2001 | (Oct)1987 | 2005 | Reaffirmed | |
| SP-100-2009 | Qualification Requirements for Elastomer Diaphragms for Nuclear Service Diaphragm Valves [1988-97 title: <i>Qualification Requirements for Elastomer Diaphragms for Nuclear Service Diaphragm Type Valves</i>] | 406 | 1988, 1997, 2002 | (June)1988 | 2009 | Revised | |
| SP-101-1989 (R2001) | Part-Turn Valve Actuator Attachment - Flange and Driving Component Dimensions and Performance Characteristics | 408 | 1989 | (July)1989 | 2001 | Reaffirmed | Based in part on ISO 5211. |
| SP-102-1989 (R2001) | Multi-Turn Valve Actuator Attachment - Flange and Driving Component Dimensions and Performance Characteristics | 408 | 1989 | (July)1989 | 2001 | Reaffirmed | Based in part on ISO 5210. |
| SP-103-1995 (R2000) | Wrought Copper and Copper Alloy Insert Fittings for Polybutylene Systems | 201 | 1990, 1995, R2000 | (April)1990 | 2005 | Withdrawn 12/31/2005 | Withdrawn due to publication of ASTM F1380 (Standard Specification for Metal Insert Fittings for Polybutylene (PB) Tubing), an American National Standard. Note that this ASTM standard was also withdrawn in 2008, with no replacement. Committee Chair indicated that insert fittings for use with PB tube is a system that is no longer available within North America. |
| SP-104-2003 | Wrought Copper Solder Joint Pressure Fittings | 201 | 1990, 1995 | (April)1990 | 2003 | Revised | DoD Adopted 5/20/1994 (DoD Activity Symbol: DLA-CS - Defense Logistics Agency-Construction). Confirmed in 2009 DoD Engineering database. |
| SP-105-1996 (R2005) | Instrument Valves for Code Applications | 115 | 1990, 1996, R2001 | (July)1990 | 2005 | Reaffirmed | |
| SP-106-2003 | Cast Copper Alloy Flanges and Flanged Fittings Class 125, 150, and 300 | 201 | 1990, R1996 | (Nov.)1990 | 2003 | Revised | |
| SP-107-1991 (R2000) | Transition Union Fittings for Joining Metal and Plastic Products | 201, 402 | 1991, R2000 | (Jan.)1991 | 2004 | Withdrawn 6/30/2004 | Withdrawn due to decreased demand within industry. |
| SP-108-2002 | Resilient-Seated Cast-Iron Eccentric Plug Valves [1991 title: <i>Resilient Seated-Eccentric Cast Iron Plug Valves</i>] | 112 | 1991, 1996 | (June)1991 | 2002 | Revised | Note that a 2010 revision has been approved by C-112 and is being balloted by the Coordinating Committee as of April 2010; Expected publication in 2010. |
| SP-109-1997 (R2006) | Welded Fabricated Copper Solder Joint Pressure Fittings | 201 | 1991, 1997 | (Sept.)1991 | 2006 | Reaffirmed | |
| SP-110-2010 | Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends | 401 | 1992, 1996 | (May)1992 | 2010 | Revised | DoD Adopted 9/30/1996 (DoD Activity Symbol: YD1 - Navy); Used instead of WW-V-35 (MIL Spec cancellation unknown, was under review 11/1997). Confirmed in 2009 DoD Engineering database. |
| SP-111-2001 (R2005) | Gray-Iron and Ductile-Iron Tapping Sleeves | 112 | 1992, 1996, 2001 | (Oct.)1992 | 2005 | Reaffirmed | Note that a 2010 revision has been approved by C-112 and is being balloted by the Coordinating Committee as of April 2010; Expected publication in 2010. |
| SP-112-1999 (R2004) | Quality Standard for Evaluation of Cast Surface Finishes - Visual and Tactile Method | 304 | 1993, 1999 | (Jan.)1993 | 2004 | Reaffirmed | |
| SP-113-2001 (R2007) | Connecting Joint between Tapping Machines and Tapping Valves | 112 | 1994, 1999, 2001 | (March)1994 | 2007 | Reaffirmed | |
| SP-114-2007 | Corrosion Resistant Pipe Fittings Threaded and Socket Welding Class 150 and 1000 | 108 | 1995, 2001 | (May)1995 | 2007 | Revised | |
| SP-115-2006 | Excess Flow Valves, 1 ¼ NPS and Smaller, for Fuel Gas Service | 501 | 1995, 1999 | (July)1995 | 2006 | Revised | Note that a 2010 revision has been approved by C-501 and the Coordinating Committee; Expected publication in mid-2010. |
| SP-116-2003 | Service-Line Valves and Fittings for Drinking Water Systems | 112 | 1996 | (April)1996 | 2003 | Revised | |
| SP-117-2006 | Bellows Seals for Globe and Gate Valves | 114 | 1996, 2002 | (April)1996 | 2006 | Revised | |

| Standard Number [Latest Version] | Standard Title | Technical Committee | Historical Editions | Original Publication and Adoption Date(s) | Year of Last Action | Last Action Taken | Comments |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|-------------------------------------------|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SP-118-2007 | Compact Steel Globe & Check Valves - Flanged, Flangeless, Threaded & Welding Ends (Chemical & Petroleum Refinery Service) | 114 | 1996, 2002 | (Oct.)1996 | 2007 | Revised | |
| SP-119-2003 | Factory-Made Wrought Belled End Socket-Welding Fittings | 113 | 1996 | (Nov.)1996 | 2003 | Revised | Note that a 2010 revision has been approved by C-113 and the Coordinating Committee; Expected publication in mid-2010. This substantial revision will include a title change: "Factory-Made Wrought Belled End Pipe Fittings For Socket-Welding." |
| SP-120-2006 | Flexible Graphite Packing System for Rising Stem Steel Valves - Design Requirements | 308 | 1997, 2002 | (March)1997 | 2006 | Revised | |
| SP-121-2006 | Qualification Testing Methods for Stem Packing for Rising Stem Steel Valves | 308 | 1997, R2002 | (March)1997 | 2006 | Revised | |
| SP-122-2005 | Plastic Industrial Ball Valves | 402 | 1997 | (Aug.)1997 | 2005 | Revised | |
| SP-123-1998 (R2006) | Non-Ferrous Threaded and Solder-Joint Unions for Use with Copper Water Tube | 201 | 1998 | (Aug.)1998 | 2006 | Reaffirmed | |
| SP-124-2001 | Fabricated Tapping Sleeves | 112 | 2000 | 2000; adopted (Aug.)1999 | 2001 | Revised | Note that a 2010 revision has been approved by C-112 and is being balloted by the Coordinating Committee as of April 2010; Expected publication in 2010. |
| SP-125-2010 | Gray Iron and Ductile Iron In-Line, Spring-Loaded, Center-Guided Check Valve | 106 | 2000 | (Aug.)2000 | 2010 | Revised | DoD Adopted or referenced; Confirmed in 2009 DoD Engineering database. |
| SP-126-2007 | Steel In-Line Spring-Assisted Center Guided Check Valves | 114 | 2000 | 2000; adopted (Dec.)1999 | 2007 | Revised | |
| SP-127-2001 | Bracing for Piping Systems Seismic-Wind-Dynamic Design, Selection, Application | 403 | N/A | (Feb.)2001 | 2001 | Created | |
| SP-128-2006 | Ductile Iron Gate Valves | 106 | N/A | (Feb.)2006 | 2006 | Created | |
| SP-129-2003 (R2007) | Copper-Nickel Socket-Welding Fittings and Unions | 201 | 2003 | 2003; adopted (Dec.)2002 | 2007 | Reaffirmed | |
| SP-130-2003 | Bellows Seals for Instrument Valves | 115 | N/A | (Sept.)2003 | 2003 | Created | |
| SP-131-2004 | Metallic Manually Operated Gas Distribution Valves | 501 | N/A | 2004; adopted (Sept.)2003 | 2004 | Created | Note that a 2010 revision has been approved by C-501 and the Coordinating Committee; Expected publication in mid-2010. |
| SP-132-2010 | Compression Packing Systems for Instrument Valves | 115 | 2004 | 2004 | 2010 | Revised | |
| SP-133-2005 | Excess Flow Valves for Low Pressure Fuel Gas Appliances | 501 | N/A | 2005; adopted (October)2004 | 2005 | Created | Note that a 2010 revision has been approved by C-501 and the Coordinating Committee; Expected publication in mid-2010. |
| SP-134-2006a | Valves for Cryogenic Service Including Requirements for Body/Bonnet Extensions | 114 | 2006 | 2006; adopted (Dec.)2005 | 2006a edition | Revised | Note that a 2010 revision has been approved by C-501 and the Coordinating Committee; Expected publication in mid-2010. This substantial revision includes a Scope change involving check valves. |
| SP-135-2006 | High Pressure Steel Knife Gate Valves | 114 | N/A | 2006; adopted (Sept.)2005 | 2006 | Created | |
| SP-136-2007 | Ductile Iron Swing Check Valves | 106 | N/A | (Feb.)2007 | 2007 | Created | |
| SP-137-2007 | Quality Standard for Positive Material Identification of Metal Valves, Flanges, Fittings, and Other Piping Components | 304 | N/A | (May)2007 | 2007 | Created | |
| SP-138-2009 | Quality Standard Practice for Oxygen Cleaning of Valves & Fittings | 407 | N/A | 2009; adopted (April)2008 | 2009 | Created | |
| SP-139-2010 | Copper Alloy Gate, Globe, Angle, and Check Valves for Low Pressure/Low Temperature Plumbing Applications | 203 | N/A | (March)2010; adopted (Feb.)2010 | 2010 | Created | |

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| Data Sheet Number [Latest Revision] | Title | Technical Committee | Superseded / Withdrawn Editions | Original Publication and Adoption Date | Last Action Taken / Year | Comments |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------|----------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GD-1-1932 | General Data - MSS 1932 Catalog of General Designs of Valves | Unknown | | 1932 | Unknown | Compiled to facilitate (a) study of the status of the industry; and (b) determination of the practicality of "simplification". |
| GD-3-1932 | General Data - Shell-Thickness Valves, Pipe Fittings | Unknown | | (Sept.)1932 | Unknown | This data has been compiled for the purpose of (a) promoting the use of an MSS formula for calculating basic thicknesses for the shells of pressure-containing parts of valves and fittings, and (b) illustrating the economic advantages to be gained by allowing for such deviations from any prescribed formula as may be proven safe through experience in the use of highly developed designs, produced under ample control of alloying materials and foundry technique. |
| GD-4-1933 | General Data - Inch-Millimeter and Fraction-Decimal Conversions - Based on American Standard B48.1-1933, Inch-Millimeter Conversion for Industrial Use | Unknown | | (Sept.)1933 | Unknown | In order to promote accuracy uniformity in inch-millimeter and fraction-decimal conversions, the MSS has compiled GD-4. |
| GD-6-1936 | General Data - Industrial Standardization and its Relation to "MSS" | Unknown | | (Jan.)1936 | Unknown | Comprehensive historical information relating to MSS, including its predecessor (1908-1924), and the industry. |
| GD-6a-1936 | General Data - Pertinent Facts About the MSS | Unknown | | (May)1936 | Unknown | GD-6 discusses the increasing importance of standardization, outlines briefly the history of the Society, explains the continuing need for standardization work and mentions a few of the advantages of membership. |
| GD-7-1958 | MSS Condensed Guide to U.S. Coast Guard Marine Engineering Regulations | Unknown | 1949, (Jan.)1958[8th Ed.], other dates? | (Nov.)1949 or before | Unknown | Involves Federal Register Title 46, Chapter 1 - Subchapter F, Parts 50-58(61) Included. All data in these sheets are interpretations and opinions of the MSS Marine Committee and are to be used for reference only. They have been compiled as an index and guide in aiding MSS members to comply with the spirit and intent of the U.S. Coast Guard Rules. |
| DS-10-1952 | General Data Sheet - Port Diameters and Wall Thicknesses 2500 LB Steel Valves and Fittings | Unknown | 1952, other dates? | 1952 or earlier | Unknown | The MSS developed this Data Sheet (DS) to "serve as a common basis for design of these products which are called for occasionally." |
| DS-11-1952 | General Data Sheet - Center-to-End Dimensions for 45(degree) and 90(degree) Butt-Welding Elbows | Unknown | 1952, other dates? | 1952 or earlier | Unknown | Developed to record dimensions not presently shown [at that time] in American Standard B16.9-1951. They were developed by the MSS Butt-Welding Fittings Committee. There are written notations indicating that portions became part of SP-48 and other portions became part of the "new" B16.9. |
| DS-12-1955 | General Data Sheet - Spiral-Weld Pipe Flanges and "RPM Standard" Flanges | Unknown | 1955, other dates? | 1955 or earlier | Unknown | |
| DS-13-1957 | General Data Sheet - 300 LB and 600 LB Corrosion Resistant Cast Flanged Valves | Unknown | 1957, other dates? | (July)1957 or earlier | Unknown | Indicated as a "Standard Practice" within its Scope. |

LEGEND:

- (1) **Maroon** and **green** colored entries indicate that the document is no longer "active".
- (2) **Blue** colored entries indicate documents and activities of the pre-MSS, *Committee of Manufacturers on Standardization Pipe Fittings and Valves* time-period.
- (3) MSS Technical Committees 204, *Non-Ferrous Threaded Fittings* and 205, *Solder Joint Fittings* were dissolved before 1988.

HISTORICAL INFORMATION

Notation 1 (Origins of MSS): MSS was originally organized under the name of Committee of Manufacturers on Standardization Pipe Fittings and Valves (1908-1924).

An earlier organization, the Valve and Fittings Institute, existed until 1910 with an appointed committee on standardization (name indicated above). This aforementioned committee survived the dissolution of the parent Institute and evolved into what became MSS in 1924.

It can also be noted that in 1912, the aforementioned Committee of Manufacturers on Standardization Pipe Fittings and Valves appointed subcommittees to undertake specifications for gate valves, check valves, and indicator posts, in addition to establishing dimensions for brass and bronze valves. The founding Chairman of the Committee was Mr. Carlisle Mason (Nelson Valve Company) and the Secretary was Mr. W.H. Douglas.

Notation 2 (The evolution of ANSI and American National Standards): The American Engineering Standards Committee (AESC) [1918-1927] became the American Standards Association (ASA) [1928-1965], and became the United States of America Standards Institute (USASI) [1966-1967] [approving USA Standards], and finally the American National Standards Institute (ANSI) in 1969 to present [approving American National Standards].

Additional Background: ASA-approved standards (American Standards) were developed by a Sectional Committee (i.e., B16) operating under ASA procedures and co-sponsored by ASME, the Heating & Piping Contractors National Association [now the Mechanical Contractors Association of America (MCAA)], and MSS. ASME held the position of Secretariat and was delegated the job of publishing the results. MSS held the financial Secretary position for over 50 years. This type of Co-Secretariat and/or Co-Sponsor relationship ended by the early 1980's.

Over time ASME kept the rights to publish B16 American [National] Standards and continues to this day (see below for more detail). To add clarity, it can be noted that most MSS SPs (pre-1982) that were incorporated into B16 standards, were not ASME standards, but actually American [National] Standards that were sponsored and developed jointly through the ASA/USASI/ANSI B16 Committee at that time. For reasons lost to time, the other sponsors, including MSS, never jointly published the B16 standards they co-sponsored; however, MSS did sell B16 standards in its office up to the 1970's.

In 1982, American Standards Committee B16 was recognized as an ASME Committee. They operate under ANSI procedures as an ANSI-approved developer and publish the resulting standards as American National Standards (ANS). MSS has long provided much of the content that provided the basis of B16 and other standards. In addition, MSS has been an ANSI member for years however was not approved to develop American National Standards until recently, so many post-1982 MSS documents were presented to ASME for incorporation into their American National Standards. Now that MSS has the ANSI Canvas Approval process (accredited as an ANSI-approved American National Standard developer), published Standard Practices do not have to go through other developers to receive ANS approval. It also gives MSS the option of jointly publishing an ANS with another ANSI-accredited developer.

Historical MSS Standard Practice Back Cover Disclaimer from 1950:

The Manufacturers Standardization Society is an administrative co-sponsor for American Standards Association Project B16 on Pipe Flanges and Fittings. MSS Standard Practices are submitted to the ASA for approval and promulgation as American Standards after which they are withdrawn to establish a single source of authoritative information. MSS SPs which have become American Standards are listed below and are available through the MSS office also.

| Obsolete MSS SP No. | MSS SP Title | ASA No. | American Standard Title |
|---------------------|----------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------|
| 1 | Pipe Plugs | B16.14-1949 | Ferrous Plugs, Bushings and Locknuts with Pipe Threads |
| 4 | Steel Base Fittings | B16e-1939 | Steel Pipe Flanges and Flanged Fittings. Note: This American Standard was also basis for B16e5-1943 American War Standard. |
| 8 | Cast Iron Screwed Drainage Fittings | B16.12-1942 | Cast-Iron Screwed Drainage Fittings |
| 10 | 125 Lb. Bronze Screw Pipe Fittings | B16.15-1947 | Brass or Bronze Screwed fittings (125 Lb) |
| 11 | 250 LB Bronze Screw Pipe Fittings | B16.17-1949 | Brass or Bronze Screwed fittings (250 Lb) |
| 14 | 25 LB [WSP] Cast-Iron Flanges | B16b2-1931 | Cast-Iron Pipe Flanges and Flanged Fittings (max WSP of 25 Lb) |
| 15 | 25 LB [WSP] Cast-Iron Flange Fittings | B16b2-1931 | Cast-Iron Pipe Flanges and Flanged Fittings (max WSP of 25 Lb) |
| 16 | Pipe Bushings | B16.14-1949 | Ferrous Plugs, Bushings and Locknuts with Pipe Threads |
| 17 | Locknuts | B16.14-1949 | Ferrous Plugs, Bushings and Locknuts with Pipe Threads |
| 29 | Screw Threads for High Temperature & Temperature Bolting | B1.4-1945 | Screw Threads for High-Strength Bolting |
| 32 | Ferrous Flanged Valve Center-to-Face Dimensions | B16.10-1939 | Face-to-Face Dimensions of Ferrous Flanged & Welding End Valves |
| 35 | Railing Fittings- Male and Female Threads | B2.1-1945 | Pipe Threads |

If you can provide any anecdotal information or corrections to this document, please contact MSS staff.

Revised: 4/16/2010

MSS GENERAL CHAIRMEN AND SOCIETY PRESIDENTS

MSS recognizes and wishes to offer profound appreciation for the many years of service, significant contributions, and professional leadership that were contributed by the following MSS General Chairmen and Society Presidents:

| <u>Name</u> | <u>Representative Company</u> | <u>Service (Years)</u> |
|--------------------------|------------------------------------------------|------------------------|
| Howard Coonley* | Walworth Company | 1924-1953 |
| John P. Magos* | Crane Company | 1953-1966 |
| Carl H. Simon* | Darling Valve & Manufacturing Company | 1966-1970 |
| Harry M. Burns* | Stockham Valves & Fittings, Inc. | 1970-1976 |
| Tom C. Jester | American-Darling Valve & Manufacturing Company | 1976-1979 |
| Robert (Bob) B. Edwards | NIBCO, Inc. | 1979-1982 |
| Bert J. Milleville | Rockwell International | 1982-1985 |
| Robert (Bob) Koester | The Wm. Powell Company | 1985-1988 |
| William (Bill) G. Knecht | Anchor/Darling Valve Company | 1988-1991 |
| Robert (Bob) A. Schmidt | Ladish Company | 1991-1992 |
| Jerry Bottenfield | Clow Valve Company | 1993-1997 |
| Guy A. Jolly | Vogt Valve Company | 1997-2000 |
| Henry R. Sonderegger | Tyco Flow Control | 2000-2001 |
| | Anvil International | 2001-2003 |
| Roland L. Larkin | American Cast Iron Pipe Company | 2003-2006 |
| C. Rush McClinton | Milwaukee Valve Company | 2006-2009 |
| John V. Ballun | Val-Matic Valve & Manufacturing Corp. | 2009-Current |

* Served as General Chairmen (Predecessor to the "Society President" title).

CHARTER MEMBERS OF MSS*

| | |
|---------------------------------------------|--------------------------------------------------|
| Chapman Valve Company | Kelly & Jones Company |
| Crane Company | Kennedy Valve Manufacturing Company |
| Darling Valve & Manufacturing Company, Ltd. | Ludlow Valve Manufacturing Company |
| Detroit Lubricator Company | Lunkenheimer Company |
| Devlin Manufacturing Company | Malleable Iron Fittings Company |
| Eddy Valve Company | Manning, Maxwell & Moore, Inc. |
| Edward Valve & Manufacturing Company | Ohio Brass Company |
| Essex Foundry | Ohio Steel Foundry Company |
| The Fairbanks Company | Pittsburgh Valve, Foundry & Construction Company |
| S.G. Flagg & Company | The William. Powell Company |
| General Fire Extinguisher Company | Reading Steel Casting Company |
| Illinois Malleable Iron Company | Stockham Pipe & Fitting Company |
| Jenkins Brothers | Walworth Manufacturing Company |
| M.W. Kellogg & Company | R.D. Wood & Company |

* At time of official 1924 incorporation.

