Consolidations* & Incorporations#

**A112.6.4-2003**, Roof, Deck, and Balcony Drains   Issued on November 21, 2003 incorporated into it is **A112.21.2M-1983** on Roof Drains

**A112.19.1/CSA B45.2-2008**, Enameled Cast Iron and Steel Plumbing Fixtures   Issued on August 31, 2008  
Incorporated into it is:  
A112.19.1M-1994, Enameled Cast Iron Plumbing Fixtures  
A112.19.4M-1994, Porcelain Enameled Formed Steel Plumbing Fixtures

**A112.19.2/CSA B45.1-2008**, Ceramic Plumbing Fixtures   Issued on August 31, 2008  
Incorporated into it is:  
A112.19.2-2003, Vitreous China Plumbing Fixtures and Hydraulic Requirements for Water Closets and Urinals  
A112.19.6-1995, 1995 Hydraulic Performance Requirements for Water Closets and Urinals  
A112.19.9M-1991, Non-Vitreous Ceramic Plumbing Fixtures  

**AG-1-2012**, Code on Nuclear Air and Gas Treatment   Issued on May 30, 2013  
Incorporated into TA Section is:  
N510-2007, Testing of Nuclear Air Treatment Systems

Incorporated into it is:  
B16.28-1986, Wrought Steel Buttwelding Short Radius Elbows and Returns

**B18.2.6M-2012**, Metric Fasteners for Use in Structural Applications   Issued on March 23, 2012  
Incorporated into it is:  
B18.2.3.7M-1979 (R2006), Metric Heavy Hex Structural Bolts  
B18.2.4.6M-2010, Metric Heavy Hex Nuts

**B18.6.3-2010**, Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series)   Issued on June 30, 2011  
Incorporated into it is:  
B18.6.4-2009, Thread Forming And Thread Cutting Tapping Screws And Metallic Drive Screws (Inch Series)

Consolidation of:  
B18.8.3M-1995, Spring Pins – Coiled Type (Metric Series)  
B18.8.4M-1994, Spring Pins – Slotted (Metric Series)  
B18.8.5M-1994, Machine Dowel Pins - Hardened Ground (Metric Series)  
B18.8.9M-1998, Grooved Pins (Metric Series)
B18.8.200M-2000, Cotter Pins, Headless Clevis Pins, and Headed Clevis Pins (Metric Series)  
Issued on September 15, 2000  
Consolidation of:  
  B18.8.6M-1995, Cotter Pins (Metric Series)  
  B18.8.7M-1994, Headless Clevis Pins (Metric Series)  
  B18.8.8M-1994, Headed Clevis Pins (Metric Series)  

B18.15M-1998, Metric Lifting Eyes  
Issued on July 31, 1999  
Consolidation of:  
  B18.15.1M-1998, Forged Lifting Eyes and  
  B18.15.2M-1998, Metric Straight Shank Lifting Eyes  

B18.16M-2004, Prevailing-Torque Type Steel Metric Hex Nuts and Hex Flange Nuts  
Issued on May 13, 2005  
Incorporated into it is:  
  B18.16.1M-1979 (R2001)-Mechanical And Performance Requirements For Prevailing-Torque Type Steel Metric Hex Nuts And Hex Flange Nuts  
  B18.16.2M-1979 (R2001)-Torque-Tension Test Requirements For Prevailing Torque Type Steel Metric Hex Nuts And Hex Flange Nuts  
  B18.16.3M-1998-Dimensional Requirements For Prevailing-Torque Type Steel Metric Hex Nuts And Hex Flange Nuts  

B18.18-2011, Quality Assurance for Fasteners  
Issued on April 14, 2011  
Incorporated into it is:  
  B18.18.1-2007, Inspection and Quality Assurance for General Purpose Fasteners  
  B18.18.2-2009, Inspection and Quality Assurance for High-Volume Machine Assembly Fasteners  
  B18.18.3M-1987(R2005), Inspection and Quality Assurance for Special Purpose Fasteners  
  B18.18.4M-1987(R2005), Inspection and Quality Assurance for Highly Specialized Engineered Applications  
  B18.18.5M-1998(R2009), Inspection and Quality Assurance Plan Requiring In-Process Inspection and Control  
  B18.18.6M-1998(R2009), Quality Assurance Plan for Fasteners Produced in A Third Party Accreditation System  
  B18.18.7M-1998(R2009), Quality Assurance Plan for Fasteners Produced in A Customer Approved Control Plan  

Issued on January 22, 2010  
Incorporated into it is B18.22.1-1965, Plain Washers  

B18.24- 2004 Part Identifying Number (PIN) Code System Standard for B18 Fastener Products  
Issued on May 31, 2005  
Incorporated into it is:  
B18.27-1998, Tapered and Reduced Cross Section Retaining Rings (Inch Series)  Issued on July 20, 1999
Consolidation of:
B18.27.1-1998, Tapered and Reduced Cross Section Retaining Rings (Inch Series)
   Part 1 External Type - NA1; Internal Type NA2; E-Ring Type - NA3
B18.27.2-1998, Tapered and Reduced Cross Section Retaining Rings (Inch Series)Part 2
   Heavy Duty External - NA4; Reinforced “E” Rings - NA5; “C” Type Rings - NA6
B18.27.3-1998, Tapered and Reduced Cross Section Retaining Rings (Inch Series)
   Part 3 Bowed External - NA7; Bowed Internal - NA8; Bowed External “E” - NA9
B18.27a-1999 addenda issued on May 10, 2000
   Added in “a” addenda
      B18.27.4-1999, Tapered and Reduced Cross Section Retaining Rings (Inch Series)
         Part 4 Inverted External NA10, Inverted Internal NA11, Beveled External NA12,
         Beveled Internal NA13
B18.27b-2000 addenda issued on November 15, 2000
   Added in “b” addenda
      B18.27.5-2000, Tapered and Reduced Cross Section Retaining Rings (Inch Series)
         Part 5 Type NA14 - External Self-Locking Rings; Type NA15 - External Interlocking
         Rings; Type NA16 - External Bowed Locking Prongs Rings

B29.100- 2002, Precision Power Transmission, Double-P Power Transmission, Double-P
Conveyor Roller Chains, Attachments and Sprockets  Issued on May 12, 2003
Consolidation of:
B29.1M-1993, Precision Power Transmission Roller Chains, Attachments, and Sprockets
B29.3M-1994, Double-Pitch Power Transmission Roller Chains and Sprockets
B29.4M-1994, Double-Pitch Conveyor Roller Chains, Attachments, and Sprockets

B29.100- 2011, Double-Pitch Roller Chains, Attachments and Sprockets  Issued on March 19, 2012
Incorporation of:
B29.3M-2002, Double-Pitch Power Transmission Roller Chains and Sprockets
B29.4M-2002, Double-Pitch Conveyor Roller Chains, Attachments, and Sprockets

B29.200- 2001, Welded Steel Type Mill Chains, Welded Steel Drag Chains, Attachments and
Sprockets Teeth  Issued on July 15, 2002
Consolidation of:
B29.16M-1995, Welded Steel Type Mill Chains, Attachments, and Sprocket Teeth
B29.18M-1993, Welded Steel-Type Drag Chains, Attachments, and Sprocket Teeth

B29.300-1998, Agricultural, Detachable and Pintle Chains and Sprockets  Issued on December
17, 1999
Consolidation of:
B29.6-1993, Steel Detachable Link Chains, Attachments, and Sprockets
B29.19-1996, Agricultural Roller Chains, Attachments and Sprocket Teeth
B29.25-1994, Open Barrel Steel Pintle-Type Conveyor Chains, Attachments, and
   Sprockets
B29.400- 2001 Combination, "H" Type Mill Chains and Sprockets  Issued on February 28, 2003
Consolidation of:
B29.11M-1994, Combination Chains, Attachments, and Sprocket Teeth

**B30.17**-2015 Cranes and Monorails (With Underhung Trolley or Bridge)  Issued on March 4, 2016
Incorporated into it is:
B30.11-2010 Monorails and Underhung Cranes

**B31.4**-2012 Pipeline Transportation Systems for Liquids and Slurries  Issued on November 12, 2012
Consolidation of:
B31.4-2009, Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids
B31.11-2002 (R2008), Slurry Transportation Piping Systems

**B32.100**- 2005 Preferred Metric Sizes for Flat, Round, Square, Rectangular and Hexagonal Metal Products  Issued on September 12, 2005
Incorporated into it is:
B32.3M-1984 (R1994, Preferred Metric Sizes for Flat Metal Products
B32.4M -1980 (R1994), Preferred Metric Sizes for Round, Square, Rectangle and Hexagon Metal Products

**B40.100**-1998, Pressure Gauges and Gauges Attachments  Issued on February 29, 2000
Consolidation of:
B40.1-1991, Gauges - Pressure Indicating Dial Type - Elastic Element
B40.7-1998, Gauges - Pressure Indicating Digital
B40.100a-2001 addenda issued on December 31, 2001
Added by addenda
B40.2-1991, Diaphragm Seals
B40.5-1995, Snubbers
B40.6-1994, Pressure Limiter Valves

**B40.200**-2001, Thermometers, Direct Reading and remote Reading  Issued on April 13, 2001
Consolidation of:
B40.3- 1997, Bimetallic Actuated Thermometers
B40.4- 2001, Filled System Thermometers
B40.9- 2001, Thermowells

**B73.1**-2012, Specification for Horizontal End Suction Centrifugal Pumps for Chemical Process
Issued on October 11, 2013
Incorporation into it is B73.5M-1995(R2007) Thermoplastic/Thermoset Polymer Material Horizontal End Suction Centrifugal Pumps Chemical Process

**B89.4.1**-1997, Methods for Performance Evaluation of Coordinate Measuring Machines (CMMs)
Issued on June 16, 1997
incorporated into it is B89.1.12, Methods for Performance Evaluation of Coordinate Machines

**B89.4.10360.2**-2008 Acceptance Test and Reverification Test for Coordinate Measuring Machines (CMMs) Part 2: CMMs Used for Measuring Linear Dimensions (Technical Report)
Issued on July 11, 2008
Incorporated into it is B89.4.1-1997, Methods for Performance Evaluation of Coordinate Measuring Machines (CMMs)
B107.12-2004, Nut Drivers (Spin Type, Screwdriver Grip) (Metric Series)  
Issued on May 4, 2005
Incorporated into it is B107.35M-1997 Nutdriver

B107.22-2010, Electronic Cutters and Pliers  (Part of B107.500-2010)  
Issued on January 7, 2011
Incorporated into it is B107.38M-1998 (R2004), Electronic Pliers

B107.24-2010, Pliers: Locking, Clamp, and Tubing Pinch-Off  (Part of B107.500-2010)  
Issued on January 7, 2011
Incorporated into it is B107.36-2002, Pliers: Locking, Clamp, and Tubing Pinch-Off

B107.42-2008, Hatchets and Axes  (Part of B107.400-2008)  
Issued on January 23, 2009
Incorporated into it is B107.55-2002, Axes: Safety Requirements

Issued on July 11, 2008
Incorporated into it is B107.45-2002 Ripping Chisels and Flooring/Electricians' Chisels

B107.48-2005, Metal Chisels, Punches, and Drift Pins: Safety Requirements,  Issued on  
September 15, 2005
Incorporated into it is B107.47M-1998, Metal Chisels: Safety Requirements

B107.50M-2008, Brick Chisels, Brick Sets and Star Drills  (Part of B107.410-2008)  
Issued on July 11, 2008
Incorporated into it is B107.51-2001, Star Drills: Safety Requirements

B107.52-2008, Nail-Puller Bars and Pry Bars  (Part of B107.410-2008)  
Issued on July 11, 2008
Incorporated into it is B107.60-2004, Pry Bars

B107.100-2002, Wrenches  Issued on November 22, 2002
Consolidation of:
  B107.6-1994, Combination Wrenches (Inch Series)
  B107.9-1994, Combination Wrenches (Metric Series)
  B107.39-2002, Open End Wrenches (Inch and Metric Series)
  B107.40-2002, Flare Nut Wrenches (Inch and Metric Series)

B107.100-2010, Wrenches  Issued on October 15, 2010
Consolidation of (additional standards:  
  B107.8-2003, Adjustable Wrenches  
  B107.21-2005, Wrench, Crowfoot  
  B107.66, Ratcheting Box Wrenches

B107.110-2012, Socket Wrenches, Handles, and Attachments  Issued on June 7, 2013
Consolidation of:
  B107.1-2002, Socket Wrenches, Hand (Inch Series)
  B107.5M-2002, Socket Wrenches, Hand (Metric Series)
  B107.10-2005, Handles and Attachments for Hand Socket Wrenches
B107.12-2004, Nutdrivers
B107.33M-2002, Socket Wrenches, Impact (Metric Series)
B107.34-2003, Socket Wrenches for Spark Plugs

**B107.300-2010**, Torque Instruments   Issued on April 19, 2010
Consolidation of:
B107.14-2004, Hand Torque Tools (Mechanical)
B107.28-2005, Electronic Torque Instruments
B107.29-2005, Electronic Tester, Hand Torque Tools

**B107.400-2008**, Striking Tools   Issued on January 23, 2009
Consolidation of:
B107.41 - 2004 Nail Hammers: Safety Requirements
B107.42M - 1997 Hatchets: Safety Requirements
B107.53 - 2004 Ball Peen Hammers: Safety Requirements
B107.54 - 2001 Heavy Striking Tools: Safety Requirements
B107.56 - 1999 Body Repair Hammers and Dolly Blocks: Safety Requirements
B107.57 - 2005 Bricklayers' Hammers and Prospecting Picks
B107.58M - 1998 Riveting, Scaling, and Tinner's Setting Hammers: Safety Requirements

Consolidation of:
B107.43-2002, Wood-Splitting Wedges
B107.44-2002, Glaziers’ Chisels and Flooring/Electricians’ Chisels
B107.45 - 2002 Ripping Chisels and Flooring/Electricians' Chisels [Incorporated into B107.44]
B107.46-2004, Stud, Screw and Pipe Extractors: Safety Requirements
B107.48-2005, Metal Chisels, Punches, and Drift Pins: Safety Requirements
B107.49-2004, Nail Sets
B107.50M-1998, Brick Chisels and Brick Sets: Safety Requirements
B107.51-2001, Star Drills: Safety Requirements [Incorporated into B107.50]
B107.52M-1998, Nail-Puller Bars: Safety Requirements
B107.59-2002, Slugging and Striking Wrenches
B107.60-2004, Pry Bars [Incorporated into B107.52]

**B107.500-2010**, Pliers   Issued on January 7, 2011
Consolidation of:
B107.11-2002, Pliers: Diagonal Cutting and End Cutting
B107.16M-1998, Shears (Metal Cutting Hand)
B107.18-2003, Pliers: Wire Twister
B107.19-2004, Pliers: Retaining Ring
B107.20-2004, Pliers: Lineman's, Iron Worker's, Gas, Glass, Fence, and Battery
B107.22M-1998, Electric Cutters
B107.23-2004, Pliers: Multiple Position, Adjustable
B107.24-2002, Locking Pliers
B107.25-2002, Pliers: Performance Test Methods
B107.27-2003, Pliers: Multiple Position, Electrical Connector
**B107.600-2008, Screwdrivers**  Issued on November 26, 2008

Consolidation of:
- B107.15-2002, Flat Tip Screwdrivers
- B107.26-2007, Screwdrivers Bits, Hand Driven
- B107.30-2002, Cross Tip Screwdrivers
- B107.31-1997, Screwdrivers, Cross Tip Gaging

**BPV III, Division 5** 2015, Section III-Rules for Construction of Nuclear Facility Components-Division 5-High Temperature Reactors  Issued on July 1, 2015

Incorporated into it is **BPVC, Division 1, Subsection NH-2015**, Rules for Construction of Nuclear Facility Components-Division 1-Subsection NH-Class 1 Components in Elevated Temperature Service

**MH1-1997, Pallets, Slip Sheets, and Other Bases for Unit Loads**  Issued on December 22, 1997

Consolidation of:
- MH1.1.2M-1996 - Definitions and Terminology Covering Pallets and Related Structures as Part I
- MH1.7M-1988 - Driven Fasteners for Assembly of Pallets and Related Structures as Part 5 - Driven Fasteners for Assembly of Pallets and Related Structures
- MH1.6-1987 (R1994) - Procedures for determination of Durability of Wooden Pallets and Related Structures as Part 6 - Determination of Durability of Wooden Pallets and Related
- MH1.4.1M-1989 - Procedures for Testing Pallets Part 7 - Testing Procedures for Pallets and Related Structures

Added in addenda MH-1a-1999 issued on June 30, 1999
- MH1.2.2M-1989 (R1996) - Pallet Sizes as Part 2 - Pallet Sizes
- MH1.8M-1996 - Wood Pallets as Part 3 - Wood Pallets
- MH1.9-1993 - Export Pallets as Part 4 - Export Pallets
- MH1.5M–1994 - Slip Sheets as Part 8 - Slip Sheets
- Part 9-Wood Pallets for U.S. Government Use

Added in addenda MH-1b-2000 issued on September 28, 2001
- Part 10–Pallets in Automated Systems

**NQA-1-1979, Quality Assurance Program Requirements for Nuclear Power Plants**  Issued on August 31, 1979

Incorporation of:
- N45.2-1977 – Quality Assurance Program Requirements for Nuclear Facilities
- N45.2.6-1978 – Qualifications of Inspection, Examination, and Testing Personnel for Nuclear Power Plants
- N45.2.9-1979 – Requirements for Collection, Storage and Maintenance of Quality Assurance Records for Nuclear Power Plants
- N45.2.10-1973 – Quality Assurance Terms and Definitions
- N45.2.11-1974 – Quality Assurance Requirements for Design of Nuclear Power Plants
- N45.2.12-19779 – Requirements for Auditing of Quality Assurance Programs for Nuclear Power Plants
- N45.2.13-1976 – Quality Assurance Requirements for Control of Procurement of Items and Services for Nuclear Power Plants
- N45.2.23-1978 – Qualifications of Quality Assurance Program Audit Personnel for Nuclear Power Plants
NQA-1-2000, Quality Assurance Program Requirements for Nuclear Facility Applications
Issued on May 21, 2001
Consolidation of:
  NQA-2, Quality Assurance Requirements for Nuclear Power Plants (including NQA-2a-1985)
  NQA-3-1989, Quality Assurance Program Requirements for the Collection of Scientific and Technical Information for Site Characterization of High-Level Nuclear Waste Repositories

NQA-2-1983, Quality Assurance Requirements for Nuclear Power Plants  Issued on August 31, 1983
Consolidation of:
  N45.2.1-1980 – Cleaning of Fluid Systems and Associated Components for Nuclear Power Plants
  N45.2.2-1978 – Packaging, Shipping, Receiving, Storage, and Handling of Items for Nuclear Power Plants
  N45.2.3-1973 (R1978) – Housekeeping During the Construction Phase of Nuclear Power Plants
  N45.2.5-1978 – Supplementary Quality Assurance Requirements for Installation, Inspection, and Testing of Structural Concrete, Structural Steel, Soils, and Foundations During the Construction Phase of Nuclear Power Plants
  N45.2.8-1978 (R1980) – Supplementary Quality Assurance Requirements for Installation, Inspection, and Testing of Mechanical Equipment and Systems for the Construction Phase of Nuclear Power Plants
  N45.2.15-1981 – Hoisting, Rigging, and Transporting Items for Nuclear Power Plant Sites
  N45.2.20-1979 – Supplementary Quality Assurance Requirements for Subsurface Investigation for Nuclear Power Plants

N626-1985, Qualifications and Duties for Authorized Nuclear Inspection Agency and Personnel
Issued on March 15, 1985
Consolidation of:
  N626.0-1982, Requirements for Qualifications and Duties of the Authorized Inspection Agency, its Authorized Nuclear Inspectors, and its Authorized Nuclear Inspector Supervisors, as used with the ASME Boiler and Pressure Vessel Code Section III, Division 1, Nuclear Power Plant Components
  N626.1-1982, Requirements for Qualifications and Duties of the Authorized Inspection Agency, its Authorized Nuclear Inservice Inspectors, and its Authorized Nuclear Inservice Inspector Supervisors, as used with the ASME Boiler and Pressure Vessel Code Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components
  N626.2-1982, Requirements for Qualifications and Duties of the Authorized Inspection Agency, its Authorized Nuclear Inspectors (Concrete), and its Authorized Nuclear Inspector Supervisors (Concrete), as used with the ASME Boiler and Pressure Vessel Code Section III, Division 2, Code for Concrete Reactor Vessels and Containments (ACI 359)

OM-1987, Operation and Maintenance of Nuclear Power Plants
Issued on December 15, 1987
Consolidation of:
  OM-1-1981, Requirements for Inservice Performance Testing of Nuclear Power Plant Pressure Relief Devices
OM-2-1982, Requirements for Performance Testing of Nuclear Power Plant Closed Cooling Water System
OM-3-1982, Requirements for Preoperational and Initial Start-Up Vibration Testing of Nuclear Power Plant Piping Systems
OM-4-1982, Examination and Performance Testing of Nuclear Power Plant Dynamic Restraints (Snubbers)
OM-5-1981, Inservice Monitoring of Core Support Barrel Axial Preload in Pressurized Water Reactors

PASE-2014, Safety Standard for Portable Automotive Service Equipment
Issued on December 29, 2014
Incorporation of:
   PALD-2009, Safety Standard for Portable Automotive Lifting Devices
   ASP-2010, Safety Standard for Automotive Service and Maintenance Products

Y14.3-2012, Orthographic and Pictorial Views
Issued on August 30, 2013
Incorporation of:
   Y14.4M-1989, Pictorial Drawing

Y14.100-2013, Engineering Drawing Practices
Issued on July 30, 2013
Incorporation of:
   Y14.42-2002(R2008), Digital Approval Systems

Partitions

B29.1-2011, Precision Power Transmission Roller Chains, Attachments, and Sprockets
Issued on January 31, 2012
Partitioned from:
   B29.100-2002, Double-Pitch Roller Chains, Attachments, and Sprockets

B107.56-2018, Body Repair Tools
Issued on January 22, 2019
Partitioned from:
   B107.400-2008, Striking Tools

MFC-5.1-2011, Measurement of Liquid Flow in Closed Conduits Using Transit-Time Ultrasonic Flowmeters
Issued on June 17, 2011
Partitioned from:
   MFC-5M-1985 (R2006), Measurement of Liquid Flow in Closed Conduits Using Transit-Time Ultrasonic Flowmeters

   Issued on October 15, 1990
Partitioned from:
   OM-1987 including addenda to OMc-1990, Operation and Maintenance of Nuclear Power Plants
OM-S/G-1990, Standards and Guides for Operation and Maintenance of Nuclear Power Plants
(included Part 2, Part 3, Part 13 and Part 16 as Standards; and Part 5, Part 7, and Part 8 as Guides)
Issued on December 15, 1990
Partitioned from:
   OM-1987 including addenda to OMc-1990, Operation and Maintenance of Nuclear Power Plants

* A consolidation of standards is a compilation of related standards into one book (a packaging together). An individual standard in a consolidated standard is still distinguishable.

# An incorporation of standards is an integration of related standards and their requirements into one standard (a melding of requirements). An individual standard in the incorporated standard is no longer distinguishable.

The consolidated or incorporated standards in red can still be purchased from ASME in pdf format (they can be download from the ASME catalog).