

## ملحق (1)

### المواصفات العالمية

## جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/1)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
ASTM A106:2004	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service.
ASTM A135:2005	Standard Specification for Electric-Resistance-Welded Steel Pipe.
ASTM A795:2004	Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use.
BS1387:1990	Screwed and socketed steel tubes and tubulars and for plain and steel tubes suitable for welded or for screwing to BS 21 pipe thread.
BS EN 10220:2003	Seamless and welded steel tubes-General tables of dimensions and masses per unit length.

## جدول (ج2-1/1)

ASTM B88:2003	Standard Specification for Seamless Copper Water Tube.
ASTM B251:2002	Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube.
ASTM B75:2002	Standard Specification for Seamless Copper Tube.

## جدول (ج3-1/1)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
ASTM A106:2004	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service.
BS 1387:1990	Screwed and socketed steel tubes and tubulars and for plain and steel tubes suitable for welded or for screwing to BS 21 pipe thread.

## جدول (ج4-1/1)

ANSI/AWWA C200:1997	Steel Water Pipe-6 in. (150mm) and Larger.
ASME B36.10M:2004	Welded and Seamless Wrought Steel Pipe.
ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
BS 1387:1990	Screwed and socketed steel tubes and tubulars and for plain and steel tubes suitable for welded or for screwing to BS 21 pipe thread.
BS EN 10216-1:2002	Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specially room temperature properties.
BS EN 10217-1:2002	Welded steel tubes for pressure. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties.

## جدول (ج5-1/1)

ASTM A135:2005	Standard Specification for Electric-Resistance-Welded Steel Pipe.
ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
BS EN 13480-1:2002	Metallic industrial piping. General.
BS EN 13480-2:2002	Metallic industrial piping. Materials.
BS EN 13480-3:2002	Metallic industrial piping. Design and calculation.
BS EN 13480-4:2002	Metallic industrial piping. Fabrication and installation.
BS EN 13480-5:2002	Metallic industrial piping. Inspection and testing.
BS EN 10216-1:2002	Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specially room temperature properties.
BS EN 10217-1:2002	Welded steel tubes for pressure. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties.
BS EN 10220:2003	Seamless and welded steel tubes – General tables of dimensions and masses per unit length.

## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

جدول (ج1/6)

ANSI/AWWA C200:1997	Steel Water Pipe-6 in. (150mm) and Larger.
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جدول (ج1/7)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
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جدول (ج1/8)

ASTM B88:2003	Standard Specification for Seamless Copper Water Tube.
BS EN 12451:1999	Copper and copper alloys – Seamless, round tubes for heat exchangers.

جدول (ج1/9)

ANSI/AWWA C151/A21.51:2002	Ductile-Iron Pipe, Centrifugally Cast, for Water.
BS EN 545:1995	Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods.
BS 437:1978	Specification for cast iron spigot and socket drain pipes and fittings.

جدول (ج1/10)

ANSI/AWWA C151/ A21.51:2002	Ductile-Iron Pipe, Centrifugally Cast, for Water.
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جدول (ج1/11)

ANSI/AWWA C104/A21.4:2003	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water.
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جدول (ج1/12)

BS EN 545:1995	Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods.
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جدول (ج1/13)

ASTM A182:2004	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fitting, and Valves Parts for High-Temperature Service.
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جدول (ج1/14)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
ASTM A135:2005	Standard Specification for Electric-Resistance-Welded Steel Pipe
BS 1387:1985	Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe thread.

جدول (ج1/15)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
ASTM A106:2004	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service.

جدول (ج1/16)

ASTM A182:2004	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fitting, and Valves Parts for High-Temperature Service.
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جدول (ج1/17)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
BS 1387:1985	Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe thread.
BS EN 10217-1:2002	Welded steel tubes for pressure. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties.

## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/18)

ASTM A307:2004	Standard Specification for Carbon Steel Bolts and Studs, 60000 PSI Tensile Strength.
BS EN 10216-1:2002	Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specially room temperature properties.
BS EN 10216-2: 2002	Welded steel tubes for pressure purposes. Technical delivery conditions. Non-alloy and alloy steel tubes with specified elevated temperature properties.
BS EN 10217-1:2002	Welded steel tubes for pressure. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties.
BS EN 10217-2: 2002	Electrical welded non-alloy and alloy steel tubes with specified elevated temperature properties.

## جدول (ج1/19)

ASTM A182:2004	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fitting, and Valves Parts for High-Temperature Service.
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## جدول (ج1/20)

ASTM B251:2002	Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube.
ASTM B75:2002	Standard Specification for Seamless Copper Tube.
ASTM B88:2003	Standard Specification for Seamless Copper Water Tube.

## جدول (ج1/21)

BS 1387:1985	Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe thread.
BS EN 10216-1:2002	Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specially room temperature properties.
BS EN 10217-1:2002	Welded steel tubes for pressure. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties.

## جدول (ج1/22)

ASTM A182:2004	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fitting, and Valves Parts for High-Temperature Service.
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## جدول (ج1/23)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
ASTM A106:2004	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service.

## جدول (ج1/24)

BS EN 545:1995	Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods.
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## جدول (ج1/25)

ASTM B75:2002	Standard Specification for Seamless Copper Tube.
ASTM B88:2003	Standard Specification for Seamless Copper Water Tube.
ASTM B251:2002	Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube.

## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/26)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
ASTM A106:2004	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service.
BS 1387:1985	Specification for screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe thread.
BS EN 10217-1:2002	Welded steel tubes for pressure. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties.

## جدول (ج1/27)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
BS EN 10216-4:2002	Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy and alloy steel tubes with specified low temperature properties.
BS EN 10217-4:2002	Welded steel tubes for pressure purpose. Technical delivery conditions. Electrical welded non-alloy steel tubes with specified low temperature purpose.

## جدول (ج1/28)

BS EN 10216-4:2002	Seamless steel tubes for pressure purposes. Technical delivery conditions. Non-alloy and alloy steel tubes with specified low temperature properties.
BS EN 10217-4:2002	Welded steel tubes for pressure purpose. Technical delivery conditions. Electrical welded non-alloy steel tubes with specified low temperature purpose.

## جدول (ج1/29)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
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## جدول (ج1/30)

ASME B16.3:1998	Malleable Iron Threaded Fittings, 150 and 300 lb.
ASME B16.9:2003	Factory-Made Wrought Butt welding Fittings.
ASTM A234:2005	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.
BS 1256:2000	Threaded pipe fittings in malleable cast iron and cast copper alloy.
DIN 10242:1995	Threaded pipe fittings in malleable cast iron.

## جدول (ج1/31)

ASME B16.9:2003	Factory-Made Wrought Butt welding Fittings.
ASME B16.28:1994	Wrought Steel Butt welding Short Radius Elbows and Returns.
ASTM A234:2005	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.
BS 1640-3:1968	Specification for steel butt-welding pipe fittings for the petroleum industry. Wrought carbon and ferric alloy steel fittings. Metric units.
BS 3799:1974	Specification for steel pipe fittings, screwed and socket-welding for the petroleum industry.
BS EN 10253-1:1999	Butt-welding pipe fittings. Wrought carbon steel for general use and without specific inspection requirements.

## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/32)

ASME B16.24:2001	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500.
ASME B16.22:2001	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
ASME B16.18:2001	Cast Copper Alloy Solder Joint Pressure Fittings
BS EN 1254-1:1998	Copper and copper alloys. Plumbing fittings. Fittings with ends for capillary soldering or capillary brazing to copper tubes.
BS EN 1254-2:1998	Copper and copper alloys. Plumbing fittings. Fittings with compression ends for use with copper tubes.

## جدول (ج1/33)

ASME B16.3:1998	Malleable Iron Threaded Fittings. 150 and 300 lb.
ASME B16.4:1998	Gray Iron Threaded Fittings- classes 125 and 250.
BS 1965-1:1963	Specification for butt-welding pipe fittings for pressure purposes. Carbon steel.
BS 1256:2000	Threaded pipe fittings in malleable cast iron and cast copper alloy.
BS EN 10253-1:1999	Butt-welding pipe fittings. Wrought carbon steel for general use and without specific inspection requirements.

## جدول (ج1/34)

ANSI/AWWA C151/A21.15:2002	Ductile-Iron Pipe, Centrifugally Cast, for Water.
ANSI/AWWA C115/A21.15:1999	Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges.
ANSI/AWWA C207:2002	Steel Pipe Flanges for Waterworks Service-Sizes 4 in. Through 144 in.(100 mm Through 3600 mm).
ASME B16.1:1998	Cast Iron Pipe Flanges and Flanged Fittings
ASME B16.5:2003	Pipe Flanges and Flanged Fittings NPS <sup>1/2</sup> Through NPS 24 metric/inch Standard.
ASTM A181:2001	Standard Specification for Carbon Steel Forging for General-Purpose Piping.
BS 2035:1966	Specification for cast iron flanged fittings.
BS EN 545:2002	Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods.
BS 2971:2001	Specification for class-II arc welding carbon steel pipe-work for carrying fluids.
BS 4622:1970	Specification for grey iron pipes and fittings.

## جدول (ج1/35)

ASME B16.24:2001	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500.
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## جدول (ج1/36)

ASTM A182:2004	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fitting, and Valves Parts for High-Temperature Service.
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## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/37)

ANSI/AWWA C110/A21.10:2003	Ductile-Iron and Gray-Iron Fittings for Water.
ANSI/AWWA C151/A21.51:2002	Ductile-Iron Pipe, Centrifugally Cast, for Water.
ANSI/AWWA C207:2002	Steel Pipe Flanges for Waterworks Service-Sizes 4 in. Through 144 in. (100 mm Through 3600 mm).
ASME B16.4:1998	Gray Iron Threaded Fittings – classes 125 and 250.
ASME B16.21:2005	Non-metallic Flat Gaskets for Pipe Flanges.
ASME B16.26:1998	Cast Copper Alloy Fittings For Flared Copper Tubes.
ASTM A536:2004	Standard Specification for Ductile Iron Castings.
BS 4622:1970	Specification for grey iron pipes and fittings.
BS EN 545:2002	Ductile iron pipes, fittings, accessories and their joints for water pipelines. Requirements and test methods.
ISO 2531:1998	Ductile Iron Pipes, Fittings, Accessories and their Joints for Water or Gas Applications.

## جدول (ج1/38)

ANSI/AWWA C111/A21.11:2000	Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.
ASME B16.21:2005	Nonmetallic Flat Gaskets for Pipe Flanges.
ASTM A193:2004	Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service.
ASTM A307:2004	Standard Specification for Carbon Steel Bolts and Studs, 60000 PSI Tensile Strength.
ASTM A320:2004	Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for Low-Temperature Service.
ASTM A126:2004	Standard Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings.
BS 682:2002	Elastomeric seals. Materials requirements for seals used in pipes and fittings carrying gas and hydrocarbon fluids.
BS 3410:1961	Specification for metal washers for general engineering purposes.
BS 4320:1998	Specification for metal washers for general engineering purposes. Metric series.
EN 1514-2:1997	Flanges and their joints-caskets for PN-designated flanges-spiral wound gaskets for use with steel flanges.

## جدول (ج1/39)

ASTM A216:2004	Standard Specification for Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service.
BS 1965-1:1963	Specification for butt-welding pipe fittings pressure purposes. Carbon steel.
BS EN 10253-1:1999	Butt-welding pipe fittings. Wrought carbon steel for general use and without specific inspection requirements.

## جدول (ج1/40)

BS 1256:2000	Threaded pipe fittings in malleable cast iron and cast copper alloy.
BS 143:2000	Threaded pipe fittings in malleable cast iron and cast copper alloy.
BS 2492:1990	Specification for elastomeric seals for joints in pipe-work and pipelines.

## جدول (ج1/41)

ASTM A182:2004	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fitting, and Valves Parts for High-Temperature Service.
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## جدول (ج1/42)

AWS B2.1:2005	Specification for Welding Procedure and Performance Qualification.
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## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/43)

ASME B1.20.1:2001	Pipe Threads, General Purpose (inch).
AWS B2.1:2005	Specification for Welding Procedure and Performance Qualification.
BS EN 10241:2000	Steel threaded pipe fittings.
BS EN 10226-1:2004	Pipe threads where pressure tight joints are made on the threads. Taper external threads and parallel internal threads. Dimensions, tolerances and designation.
ISO 228-1:2003	Pipe threads where pressure-tight joints are not made on the threads. Dimensions, tolerances and designation.

## جدول (ج1/44)

ASME B16.9:2003	Factory-Made Wrought Butt welding Fittings.
ASTM A234-2005	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.
BS 1965-1:1963	Specification for butt-welding pipe fittings for pressure purposes. Carbon steel.
EN 10241-2000	Steel threaded pipe fittings.
EN 10253-1:1999	Butt-welding pipe fittings. Wrought carbon steel for general use and without specific inspection requirements.
DIN 10242:1995	Threaded pipe fittings in malleable cast iron.

## جدول (ج1/45)

ASTM A181:2001	Standard Specification for Carbon Steel Forging for General-Purpose Piping.
BS 1256:2000	Threaded pipe fittings in malleable cast iron and cast copper alloy.

## جدول (ج1/46)

ASTM A234:2005	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.
ASTM A395:2004	Standard Specification for Ferric Ductile Iron Pressure-Retaining Casting for Use at Elevated Temperatures.
ASME B16.3:1998	Malleable Iron Threaded Fittings, Classes 150 and 300.
ASME B16.5:2003	Pipe Flanges and Flanged Fittings NPS <sup>1/2</sup> Through NPS 24 metric/inch standard.
BS 3799:1998	Specification for steel pipe fittings, screwed and socket-welding for the petroleum industry.

## جدول (ج1/47)

ASTM A197:2000	Standard Specification for Cupola Malleable Iron.
ASTM A234:2005	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service.
ASTM A395:2004	Standard Specification for Ferric Ductile Iron Pressure-Retaining Casting for Use at Elevated Temperatures.
BS 3643-1:2004	ISO metric screw threads. Principles and basic data.
BS 3643-2:2004	ISO metric screw threads. Specification for selected limits of size.
BS 1256:2000	Threaded pipe fittings in malleable cast iron and cast copper alloy.
BS EN 10241:2000	Steel threaded pipe fittings.

## جدول (ج1/48)

ASME B16.22:2001	Wrought copper and copper alloy solder joint pressure fittings.
ASTM B88:2003	Standard Specification for Seamless Copper Water Tube Type K.
ASME B16.23:2002	Cast Copper Alloy Solder Joint Drainage Fittings-DWV

## جدول (ج1/49)

AWS A5.8:2004	Specification for Filler Metals for Brazing and Braze Welding.
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## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/50)

ASME B16.5:2003	Pipe Flanges and Flanged Fittings NPS <sup>1/2</sup> Through NPS 24 metric/inch standard.
BS 5154:1991	Specification for copper alloy globe, globe stop and check, check and gate valves.
BS 1010-2:1973	Specification for draw-off taps and stop-valves for water Services (screw-down pattern). Draw-off taps and above-ground stop-valves.
BS 5163-1:2004	Valves for water-works purposes. Predominantly key-operated cast iron gate valves. Code of practice.
BS 5163-2:2004	Valves for water-works purposes. Stem caps for use on isolating valves and associated water control apparatus. Specification.
BS 5159:1991	Specification for cast iron carbon steel ball valves for general purposes.
BS EN 12288:2003	Industrial valves copper alloy gate valves.
BS EN 1984:2000	Industrial valves. Steel gate valves.
BS EN 1171:2002	Industrial valves. Cast iron gate valves.

## جدول (ج1/51)

ASTM A240:2005	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
BS 5154:1991	Specification for copper alloy globe, globe stop and check, check and gate valves.
BS EN 12288:2003	Industrial valves copper alloy gate valves.
BS EN 13789:2002	Industrial valves. Cast iron globe valves.

## جدول (ج1/52)

BS 1868:1991	Specification for steel check valves (flanged and butt-welding ends) for the petroleum, petrochemical and allied industries.
BS EN 12334:2001	Industrial valves. Cast iron check valves.
BS EN 13709:2002	Industrial valves. Steel globe and globe stop and check valves.

## جدول (ج1/53)

BS EN 593:1998	Laboratory thermometers.
ANSI/AWWA C504:2000	Rubber-Seated Butterfly Valves.

## جدول (ج1/54)

BS EN 1171:2002	Industrial valves. Cast iron gate valves.
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## جدول (ج1/55)

BS EN 1171:2002	Industrial valves. Cast iron gate valves.
BS 5163-1:2004	Valves for water-works purposes. Predominantly key-operated cast iron valves. Code of practice.
BS 5163-2:2004	Valves for water-works purposes. Stem caps for use on isolating valves and associated water control apparatus. Specification.
BS 1074-1:2000	Valves for water supply. Fitness for purpose requirements and appropriate verification tests. General requirements.
BS 1074-2:2000	Valves for water supply. Fitness for purpose requirements and appropriate verification tests. Isolating valves.

## جدول (ج1/56)

BS 1212-1:1990	Float operated valves. Specification for piston type float operated valves (copper alloy body) (excluding floats).
BS 1212-2:1990	Float operated valves. Specification for diaphragm type float operated valves (copper alloy body) (excluding floats).
BS 1212-3:1990	Float operated valves. Specification for diaphragm type float operated valves (plastics bodied) for cold water services only (excluding floats).

## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/1-57)

BS EN 13397:2002	Industrial valves. Diaphragm valves made of metallic materials.
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## جدول (ج1/1-58)

BS EN ISO 4126-1:2004	Safety devices for protection against excessive pressure. Safety valves.
BS EN ISO 4126-5:2004	Safety devices for protection against excessive pressure. Controlled safety pressure relief systems (CSPRS).
DIN 3394-1:2004	Automatic control valves - Pressure relief, safety and regulating valves for pressure above 4 bar up to 16 bar.

## جدول (ج1/1-59)

ASTM B62:2002	Standard Specification for Composition Bronze or Metal Casting.
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## جدول (ج1/1-60)

BS 5154:1991	Specification for copper alloy globe, globe stop and check, check and gate valves.
BS EN 12288:2003	Industrial valves copper alloy gate valves.
ASME B16.34:2004	Valves Flanged, Threaded and Welding End.

## جدول (ج1/1-61)

BS 1968:2000	Specification for floats for ball-valves (copper).
BS 2456:1990	Specification for floats (plastics) for float operated valves for cold water services.

## جدول (ج1/1-62)

ARI 760:2001	Solenoid Valves for Use with Volatile Refrigerators
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## جدول (ج1/1-63)

BS EN 12334-2001	Industrial valves. Cast iron check valves.
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## جدول (ج1/1-64)

ANSI/AWWA C701-2002	Cold-Water Meters-Turbine Type, for Customer Service.
ASME B40.100-1998	Pressure Gauges and Gauge Attachments.
EN 837-1:1998	Pressure gauges. Bourdon tubes pressure gauges. Dimensions, metrology, requirements and testing.

## جدول (ج1/1-65)

ISO 5167-1:2003	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross-Section Conduit Running Full. General Principles and Requirements.
ISO 5167-2:2003	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross-Section Conduit Running Full. Orifice Plates.
ISO 5167-3:2003	Measurement of Fluid Flow by Means of Pressure Differential Devices Inserted in Circular Cross-Section Conduit Running Full. Nozzles and Venturi Nozzles.
ISO 5167-4:2003	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full. Venturi tubes.

## جدول (ج1/1-66)

BS 6134:1991	Specification for pressure and vacuum switches.
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## جدول (ج1/1-67)

BS 4062-1:1982	Valves for hydraulic fluid power systems. Methods for determining pressure differential/flow characteristics.
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## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج/1-68)

ANSI/AWS B2.1:2005	Specification for Welding Procedure and Performance Qualification.
ASME B1-20.1:2001	Pipe Threads, General Purpose (inch).
BS 143:2000	Threaded pipe fittings in malleable cast iron and cast copper alloy.
BS 7786:1995	Specification for un-sintered PTFE tape. General requirements.
DIN EN 10220:2003	Seamless and welded steel tubes - General tables of dimensions and masses per unit length.

## جدول (ج/1-69)

ANSI/AWWA C206-1997	Field Welding of Steel Water Pipe.
ANSI/AWS D10.4:2000	Austenitic Chromium-Nickel Stainless Steel Piping and Tubing, Recommended Practices for Welding.
ANSI/AWS D10.8:1996	Recommended Practices for Welding of Chromium-Molybdenum Steel Piping and Tubing.
API STD 1104:1999	Welding of Pipelines and Related Facilities - 20th Edition.
ASME B36.10M:2004	Welded and Seamless Wrought Steel Pipe.
BS EN 499:1995	Welding consumables. Covered electrodes for manual metal arc welding of non alloy and fine grain steels. Classification.
BS 1453:1972	Specification for filler materials for gas welding.
BS EN 12536:2000	Welding consumables. Rod for gas welding of non alloy and creep-resisting steel. Classification.
BS 1821:1982	Specification for class-I oxy-acetylene welding of ferric steel pipe-work for carrying fluids.
BS 2633:1987	Specification for class-I arc welding of ferric steel pipe-work for carrying fluids.
BS 2640:1982	Specification for class-II oxy-acetylene welding of carbon steel pipe-work for carrying fluid.
BS 2971:1991	Specification for class-II welding of carbon steel pipe-work for carrying fluids.

## جدول (ج/1-70)

ANSI/AWWA C205:2000	Cement-Mortar Protective Lining and Coating for Steel Water Pipe-4in. (100mm) and Larger-Shop Applied.
ASME B16.21:2005	Nonmetallic Flat Gaskets for Pipe Flanges.
ASTM A193:2004	Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service.
ASTM A126:2004	Standard Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings.
ASTM 307:2004	Standard Specification for Carbon Steel Bolts and Studs, 60000 PSI Tensile Strength.
ASTM A320:2004	Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for Low-Temperature Service.
BS 3410:1961	Specification for metal washers for general engineering purposes.
BS 4190:2001	ISO metric black hexagon bolts, screws and nuts. Specification.
BS 4320:1968	Specification for metal washers for general engineering purposes. Metric series.
BS EN 1514-1:1997	Flanges and their joints. Dimensions of gaskets for PN-designated flanges. Non-metallic flat gaskets with or without inserts.
BS EN 1514-2:1997	Flanges and their joints-caskets for PN-designated flanges-spiral wound gaskets for use with steel flanges.

## جدول (ج/1-71)

ASME B31.1:2004	Power Piping.
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## تابع جدول (م1-1) مواصفات الباب الأول - الفصل الأول

## جدول (ج1/72)

ASTM A307:2004	Standard Specification for Carbon Steel Bolts and Studs, 60000 PSI Tensile Strength.
ASTM A197:2000	Standard Specification for Cupola Malleable Iron.
BS 3692:2001	ISO metric precision hexagon bolts, screws and nuts. Specification.
BS 4190:2001	ISO metric black hexagon bolts, screws and nuts. Specification.

## جدول (ج1/73)

ANSI/AWWA C104:2004	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water.
ANSI/AWWA C205:2001	Cement-Mortar Protective Lining and Coating for Steel Water Pipe-4in. (100mm) and Larger-Shop Applied.
ANSI/AWWA C602:2000	Cement-Mortar Lining of Water Pipe Lines in Place-4in. (100mm) and Larger.
ANSI/AWWA C104/A21.3:2003	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water American Water Works Association.

## جدول (ج1/74)

AWWA C105:1999	Polyethylene Encasement for Ductile-Iron Pipe Systems.
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## جدول (ج1/75)

AWWA C203:2002	Coal-Tar Protective Coatings and Linings for Steel Water Pipelines-Enamel and Tape-Hot Applied.
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## جدول (ج1/76)

BS EN 971-1:1996	Paints and varnishes. Terms and definitions for coating materials. General terms.
BS EN 1599:1997	Welding consumables. Covered electrodes for manual metal arc welding of creep-resisting steels. Classification.
BS EN 757:1997	Welding consumables. Covered electrodes for manual metal arc welding of high strength steels. Classification.

## جدول (ج1/77)

BS 381C:1996	Specification for colours for identification, coding and special purposes.
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## جدول (ج1/78)

AWWA M11:2005	Steel Pipe. A Guide for Design and Installation.
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جدول (م2-1) مواصفات الباب الثاني - الفصل الأول

جدول (ج1-1/2)

ACI 318.1-89/318.1R:1989	Building Code Requirements for Structural Plain Concrete and Commentary - Only available as part of ACI 318-99.
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جدول (ج2-1/2)

ANSI/AWWA D100:1996	Welded Steel Tanks for Water Storage.
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جدول (ج3-1/2)

ANSI/AWWA D103:1997	Factory-Coated Bolted Steel Tanks for Water Storage.
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جدول (ج4-1/2)

ASME BPVC:2004	ASME Boiler and Pressure Vessel Code (BPVC) – CODE Cases: CCB BPV; Boiler and Pressure Vessels.
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## جدول (م3-1) مواصفات الباب الثاني - الفصل الثاني

## جدول (ج2/1)

ASTM A743:2003	Standard Specification for Casting Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant for General Application.
ASTM A-744:2004	Standard Specification for Casting, Iron-Chromium-Nickel, Corrosion Resistant for Severe Service.

## جدول (ج2/2)

BS EN 60974-12:1996	Arc welding equipment. Coupling devices for welding cables.
BS EN 60974-5:2002	Arc welding equipment. Wire feeders.

## جدول (ج2/3)

BS EN 1092-1:2002	Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, PN Designated. Steel flanges.
BS EN 1515-1:2000	Flanges and their joints – Bolting. Selection of Bolting.
BS EN 1092-4:2002	Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, PN designated. Aluminium alloy flanges
ISO 2858:1975	End-Suction Centrifugal Pumps (rating 16 Bar) – Designation, Nominal Duty Point and Dimensions.

## جدول (ج2/4)

EN 210:1999	Steel Drums – Non-Removable Head (Tight Head) Drums with a Minimum Total Capacity of 216,5 l.
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## جدول (ج2/5)

BS EN ISO 5198:1999	Centrifugal, mixed flow and axial pumps. Code for hydraulic performance tests. Precision class.
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## جدول (م4-1) مواصفات الباب الثالث - الفصل الثاني

## جدول (ج1-2/3)

BS 3169:1986	Specification for first aid reel hoses for fire-fighting purposes.
EN 1947:2002	Fire-fighting hoses. Semi-rigid delivery hoses and hose assemblies for pumps and vehicles.
EN 694:2001	Fire-fighting hoses. Semi-rigid hoses for fixed systems.

## جدول (ج2-2/3)

BS 5306:1986	Fire extinguishing installations and equipment on premises. Guide for the selection of installed systems and other fire equipment.
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## جدول (ج3-2/3)

BS EN 671-1:2001	Fixed firefighting systems. Hose systems. Hose reels with semi-rigid hose.
BS EN 671-2:2001	Fixed firefighting systems. Hose systems. Hose systems with lay-flat hose.
BS EN 671-3:2001	Fixed firefighting systems. Maintenance of hose reels with semi-rigid hose and hose systems with lay-flat hose.

## جدول (ج4-2/3)

BS EN 694:2001	Fire-fighting hoses. Semi-rigid hoses for fixed systems.
BS EN 671-2:2001	Fixed firefighting systems. Hose systems. Hose systems with lay-flat hose.

## جدول (ج5-2/3)

B S 5306:1986	Fire extinguishing installations and equipment on premises. Guide for the selection of installed systems and other fire equipment.
BS EN 671-1:2001	Fixed firefighting systems. Hose systems. Hose reels with semi-rigid hose.
BS EN 671-2:2001	Fixed firefighting systems. Hose systems. Hose systems with lay-flat hose.
BS EN 671-3:2001	Fixed firefighting systems. Maintenance of hose reels with semi-rigid hose and hose systems with lay-flat hose.
BS 3169:1986	Specification for first aid reel hoses for fire-fighting purposes.
BS EN 1947:2002	Fire-fighting hoses. Semi-rigid delivery hoses and hose assemblies for pumps and vehicles.
BS EN 694:2001	Fire-fighting hoses. Semi-rigid hoses for fixed systems.

## جدول (م1-5) مواصفات الباب الثالث - الفصل الثالث

## جدول (ج3/1)

BS 336:1989	Specification for fire hose couplings ancillary equipment.
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## جدول (ج3/2)

BS 5041-1:1987	Fire hydrant systems equipment. Specification for landing valves for wet risers.
BS 5041-2:1987	Fire hydrant systems equipment. Specification for landing valves for dry risers.
BS 5041-3:1975	Fire hydrant systems equipment. Specification for inlet breechings for dry riser inlet.
BS 5041-4:1975	Fire hydrant systems equipment. Boxes for landing valves for dry risers.
BS 5041-5:1974	Fire hydrant systems equipment. Specification for boxes for foam inlet and dry riser inlets.



جدول (م1-6) مواصفات الباب الثالث - الفصل الرابع

جدول (ج4/1)

ANSI/AWWA C502:1994	Dry-Barrel Fire Hydrants.
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جدول (ج4/2)

BS 336:1989	Specification for fire hose couplings ancillary equipment.
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جدول (ج4/3)

BS 750:1984	Specification for underground fire hydrants and surface box frames and covers.
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جدول (م7-1) مواصفات الباب الرابع - الفصل الأول

جدول (ج1-1/4)

ASME B16.1:1998	Cast Iron Pipe Flanges and Flanged Fittings Classes 25, 125 and 250.
DIN 2500:2003	Flanges. General Statements, Survey.

جدول (ج2-1/4)

BS 21:1985	Specification for pipe threads for tubes and fittings where pressure-tight joints are made on the threads (metric dimensions).
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## جدول (م8-1) مواصفات الباب الرابع - الفصل السادس

## جدول (ج4/6-1)

BS 5045-1:2000	Transportable gas containers. Specification for seamless steel gas containers above 0.5 liter water capacity.
BS 5045-2:2000	Transportable gas containers. Specification for steel containers above of 0.5 L up to 450 L water capacity with welded seams.
BS 5045-3:2000	Transportable gas containers. Specification for seamless aluminum alloy gas containers above 0.5 liter water capacity and up to 300 bar charge pressure at 15 °C.
BS 5045-5:2000	Transportable gas containers. Specification for aluminum alloy containers above 0.5 liter up to 130 liters water capacity with welded seams.
BS 5045-7:2000	Transportable gas containers. Specification for seamless steel gas containers of water capacity 0.5 L up to 15 L for special portable applications.
BS 5045-8:2000	Transportable gas containers. Specification for seamless aluminum alloy gas containers of water capacity 0.5 L up to 15 L and up to 300 bar charged pressure at 15 °C for special portable applications.

## جدول (ج4/6-2)

BS 5306:1986	Fire extinguishing installations and equipment on premises. Guide for the selection of installed systems and other fire equipment.
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جدول (م9-1) مواصفات الباب الرابع - الفصل السابع

جدول (ج1-7/4)

ASTM A53:2004	Standard Specification for Pipe, Steel Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
ASTM A-106:2004 Grade A,B OR C	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service

## جدول (م10-1) مواصفات الباب الرابع - الفصل التاسع

## جدول (ج/4-1)

ASME Section VIII SET:2004	ASME Boiler & Pressure Vessel Code - Section VIII - Pressure Vessels - COMPLETE 3-Volume SET (VIII-DIV 1, VIII-DIV 2, VIII-DIV3).
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## جدول (ج/4-2)

ASTM B32:2004	Standard Specification for Solder Metal.
ASTM B75:2002	Standard Specification for Seamless Copper Tube.
ASTM B88:2003	Standard Specification for Seamless Copper Water Tube.
ASTM B251:2002	Standard Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube.
ASTM B813:2000	Standard Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper-Alloy Tube.
ANSI/AWS A5.8/A5.8M:2004	Specification for Filler Metals for Brazing and Braze Welding (Classification BCuP-3 or BCuP-4).
ASTM A269:2004	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
ASTM A632:2004	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing (Small-Diameter) for General Service.
ASTM A778:2001	Standard Specification for Welded, Un-annealed Austenitic Stainless Steel Tubular Products.
ASTM A789/A789M:2005b	Standard Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service.

## جدول (ج/4-3)

ANSI B16.18:2001	Cast Copper Alloy Solder Joint Pressure Fittings.
ANSI B16.22:2001	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
ASTM A351/A351M:2005	Standard Specification for Castings, Austenitic, Austenitic-Ferritic (Duplex) for Pressure-Containing Parts.
ASTM A403/A403M:2004	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings.
ASTM A774/A774M:2002	Standard Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures.
ASTM A815/A815M:2004	Standard Specification for Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel Piping Fittings.
ASME Section IX:2004	ASME Boiler and Pressure Vessel Code - Section IX: Welding and Brazing Qualifications.

جدول (م11-1) مواصفات الباب الخامس - الفصل الأول

جدول (ج1-5)

BS EN 54-5:2001	Fire detection and fire alarm systems. Heat detectors. Point detectors.
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