

	<u>BSI titles relevant to the cast metals industry (as at 20/5/9)</u>	
<u>BSI</u>	<u>Title</u>	<u>International Equiv</u>
		where known
94/713477DC	Aluminium and aluminium alloys. Castings. Chemical composition and mechanical properties (prEN 1706)	
BS 1902-10.1:1993	Methods of testing refractory materials. Investment casting shell mould systems. Determination of resistance to deformation at elevated temperatures	
BS 1902-10.2:1994	Methods of testing refractory materials. Investment casting shell mould systems. Determination of permeability and standard air flow capacity at elevated temperatures. Section 10.2: Determination of permeability and standard air flow capacity at elevated temperature	
BS 2HC 101:1989	Specification for precipitation hardening chromium-nickel-copper-molybdenum steel castings (950 MPa) (Cr 14.0, Ni 4.5, Cu 2.5, Mo 1.5)	
BS 2HC 102:1989	Specification for precipitation hardening chromium-nickel-copper-molybdenum steel castings (1250 MPa) (Cr 14.0, Ni 4.5, Cu 2.5, Mo 1.5)	
BS 2HC 203:1989	Specification for nickel-chromium-aluminium-molybdenum-niobium alloy castings (Nickel base Cr 13.0, Al 6.0, Mo 4.5, Nb 2.3)	
BS 2HC 207:1989	Specification for nickel-cobalt-tungsten-chromium-aluminium-tantalum-hafnium-titanium alloy castings (Nickel base Co 10.0, W 10.0, Cr 9.0, Al 5.5, Ta 2.5, Hf 1.5, Ti 1.5)	
BS 2HC 209:1989	Specification for low carbon, precipitation hardening nickel-chromium-aluminium-molybdenum-niobium alloy castings (Nickel base Cr 11.5, Al 6.0, Mo 4.0, Nb 2.0)	
BS 2L 169:2002	Ingots (as cast) and castings (solution treated and artificially aged) of aluminium-silicon-magnesium alloy (Si 7, Mg 0.6)	
BS 2M 54:1991	Specification for temperature control in the heat treatment of metals	
BS 4L 101:1990	Procedure for inspection, testing and acceptance of aluminium-base and magnesium-base ingots and castings	
BS 5046:1974	Method for the estimation of equivalent diameters in the heat treatment of steel	
BS 6200-4:1989	Sampling and analysis of iron, steel and other ferrous metals. Recommendations for the order of listing elements in the chemical analysis of steel	ISO/TR 6306:1989

BS 6615:1996	Specification for dimensional tolerances for metal and metal alloy castings	ISO 8062:1994
BS 7252-4:1997	Metallic materials for surgical implants. Specification for cobalt-chromium-molybdenum casting alloy	ISO 5832-4:1996
BS 7254-5:1990	Orthopaedic implants. Specification for production of castings made of cobalt-chromium-molybdenum alloy	
BS 7335-1:1991	Installation of monolithic refractories. Code of practice for installation by casting	
BS 7900:1998	Specification for examination of the surface texture of precision steel castings	
BS EN 10052:1994	Vocabulary of heat treatment terms for ferrous products	EN 10052:1993
BS EN 10213:2007	Steel castings for pressure purposes	EN 10213:2007
BS EN 10213-1:1996	Technical delivery conditions for steel castings for pressure purposes. General	EN 10213-1:1995
BS EN 10213-2:1996	Technical delivery conditions for steel castings for pressure purposes. Steel grades for use at room temperature and at elevated temperature	EN 10213-2:1995
BS EN 10213-3:1996	Technical delivery conditions for steel castings for pressure purposes. Steels for use at low temperatures	EN 10213-3:1995
BS EN 10213-4:1996	Technical delivery conditions for steel castings for pressure purposes. Austenitic and austenitic-ferritic steel grades	EN 10213-4:1995
BS EN 10283:1999	Corrosion resistant steel castings	EN 10283:1998
BS EN 10293:2005	Steel castings for general engineering uses	EN 10293:2005
BS EN 10295:2002	Heat resistant steel castings	EN 10295:2002
BS EN 10325:2006	Steel. Determination of yield strength increase by the effect of heat treatment (Bake-Hardening-Index)	EN 10325:2006
BS EN 10340:2007	Steel castings for structural uses	EN 10340:2007
BS EN 12373-7:2002	Aluminium and aluminium alloys. Anodizing. Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution with prior acid treatment	EN 12373-7:2002

BS EN 12454:1998	Founding. Visual examination of surface discontinuities. Steel sand castings	EN 12454:1998
BS EN 1247:2004	Foundry machinery. Safety requirements for ladles, pouring equipment, centrifugal casting machines, continuous and semi-continuous casting machines	EN 1247:2004
BS EN 1248:2001	Foundry machinery. Safety requirements for abrasive blasting equipment	EN 1248:2001
BS EN 12513:2000	Founding. Abrasion resistant cast irons	EN 12513:2000
BS EN 1265:1999	Noise test code for foundry machines and equipment	EN 1265:1999
BS EN 12680-1:2003	Founding. Ultrasonic examination. Steel castings for general purposes	EN 12680-1:2003
BS EN 12680-2:2003	Founding. Ultrasonic examination. Steel castings for highly stressed components	EN 12680-2:2003
BS EN 12680-3:2003	Founding. Ultrasonic examination. Spheroidal graphite cast iron castings	EN 12680-3:2003
BS EN 12681:2003	Founding. Radiographic examination	EN 12681:2003
BS EN 12844:1999	Zinc and zinc alloys. Castings. Specifications	EN 12844:1998
BS EN 12883:2000	Founding. Equipment for the production of lost patterns for the lost wax casting process	EN 12883:2000
BS EN 12890:2000	Founding. Patterns, pattern equipment and coreboxes for the production of sand moulds and sand cores	EN 12890:2000
BS EN 12892:2000	Founding. Equipment for the production of lost patterns for the lost foam casting process	EN 12892:2000
BS EN 1330-7:2005	Non-destructive testing. Terminology. Terms used in magnetic particle testing	EN 1330-7:2005
BS EN 1369:1997	Founding. Magnetic particle inspection	EN 1369:1996
BS EN 1370:1997	Founding. Surface roughness inspection by visual tactile comparators	EN 1370:1996
BS EN 1371-1:1997	Founding. Liquid penetrant inspection. Sand, gravity die and low pressure die castings	EN 1371-1:1997

BS EN 1371-2:1998	Founding. Liquid penetrant inspection. Investment castings	EN 1371-2:1998
BS EN 13835:2002	Founding. Austenitic cast irons	EN 13835:2002
BS EN 13858:2006	Corrosion protection of metals. Non-electrolytically applied zinc flake coatings on iron or steel components	EN 13858:2006
BS EN 13920-7:2003	Aluminium and aluminium alloys. Scrap. Scrap consisting of castings	EN 13920-7:2003
BS EN 13981-3:2006	Aluminium and aluminium alloys. Products for structural railway applications. Technical conditions for inspection and delivery. Castings	EN 13981-3:2006
BS EN 14753:2007	Safety of machinery. Safety requirements for machinery and equipment for continuous casting of steel	EN 14753:2007
BS EN 1559-1:1997	Founding. Technical conditions of delivery. General	EN 1559-1:1997
BS EN 1559-2:2000	Founding. Technical conditions of delivery. Additional requirements for steel castings	EN 1559-2:2000
BS EN 1559-3:1997	Founding. Technical conditions of delivery. Additional requirements for iron castings	EN 1559-3:1997
BS EN 1559-4:1999	Founding. Technical conditions of delivery. Additional requirements for aluminium alloy castings	EN 1559-4:1999
BS EN 1559-5:1998	Founding. Technical conditions of delivery. Additional requirements for magnesium alloy castings	EN 1559-5:1997
BS EN 1559-6:1999	Founding. Technical conditions of delivery. Additional requirements for zinc alloy castings	EN 1559-6:1998
BS EN 1561:1997	Founding. Grey cast irons	EN 1561:1997
BS EN 1562:1997	Founding. Malleable cast irons	EN 1562:1997
BS EN 1563:1997	Founding. Spheroidal graphite cast iron	EN 1563:1997
BS EN 15646:2009	Electrodeposited coatings. Electroplated coatings of aluminium and aluminium alloys with supplementary treatment. Requirements and test methods	EN 15646:2009

BS EN 15690-2:2009	Copper and copper alloys. Determination of iron content. Flame atomic absorption spectrometric method (FAAS)	EN 15690-2:2009
BS EN 1706:1998	Aluminium and aluminium alloys. Castings. Chemical composition and mechanical properties	EN 1706:1998
BS EN 1753:1997	Magnesium and magnesium alloys. Magnesium alloy ingots and castings	EN 1753:1997
BS EN 1754:1997	Magnesium and magnesium alloys. Magnesium and magnesium alloy anodes, ingots and castings. Designation system	EN 1754:1997
BS EN 1774:1998	Zinc and zinc alloys. Alloys for foundry purposes. Ingot and liquid	EN 1774:1997
BS EN 1780-1:2002	Aluminium and aluminium alloys. Designation of unalloyed and alloyed aluminium ingots for remelting, master alloys and castings. Numerical designation system	EN 1780-1:2002
BS EN 1780-2:2002	Aluminium and aluminium alloys. Designation of unalloyed and alloyed aluminium ingots for remelting, master alloys and castings. Chemical symbol based designation system	EN 1780-2:2002
BS EN 1780-3:2002	Aluminium and aluminium alloys. Designation of unalloyed and alloyed aluminium ingots for remelting, master alloys and castings. Writing rules for chemical composition	EN 1780-3:2002
BS EN 1982:2008	Copper and copper alloys. Ingots and castings	EN 1982:2008
BS EN 2076-1:1991	Aluminium and magnesium alloy ingots and castings. Technical specification. General requirements	EN 2076-1:1989
BS EN 2076-2:1991	Aluminium and magnesium alloy ingots and castings. Technical specification. Ingots for remelting	EN 2076-2:1989
BS EN 2076-3:1991	Aluminium and magnesium alloy ingots and castings. Technical specification. Pre-production and production castings	EN 2076-3:1989
BS EN 2103-1:1992	Steel, nickel base and cobalt base alloy remelting stock and castings. Technical specification. General requirements	EN 2103-1:1991
BS EN 2103-2:1991	Steel, nickel base and cobalt base alloy remelting stock and castings. Technical specification. Remelting stock	EN 2103-2:1991
BS EN 2103-3:1992	Steel, nickel base and cobalt base alloy remelting stock and castings. Technical specification. Pre-production and production castings	EN 2103-3:1991

BS EN 23134-4:1991	Light metals and their alloys. Terms and definitions. Castings	EN 23134-4:1991, ISO 3134-4:1985
BS EN 2545-1:1995	Titanium and titanium alloy remelting stock and castings. Technical specification. General requirements	EN 2545-1:1995
BS EN 2545-2:1995	Titanium and titanium alloy remelting stock and castings. Technical specification. Remelting stock	EN 2545-2:1995
BS EN 2545-3:1995	Titanium and titanium alloy remelting stock and castings. Technical specification. Pre-production and production castings	EN 2545-3:1995
BS EN 2731:2005	Aerospace series. Magnesium alloy MG-C46001. T6. Sand casting	EN 2731:2005
BS EN 2731:2005	Aerospace series. Magnesium alloy MG-C46001. T6. Sand casting	EN 2731:2005
BS EN 2732:2005	Magnesium alloy MG-C46001-T6. Chill casting	EN 2732:2005
BS EN 3973:2006	Aerospace series. Steel FE-CM3801 (X5CrNiCuNb16-4). Homogenized, solution treated and precipitation hardened. Investment casting. De = 50 mm. Rm = 1030 MPa	EN 3973:2006
BS EN 4216:2007	Aerospace series. Steel FE-CM3801 (GX5CrNiCuNb16-4). Homogenized, solution treated and precipitation hardened, investment casting De = 50 mm, Rm = 900 MPa	EN 4216:2007
BS EN 4615:2005	Aerospace series. Magnesium alloy MG-C18002. T4. Sand casting	EN 4615:2005
BS EN 4616:2005	Aerospace series. Magnesium alloy MG-C18002. T4. Chill casting	EN 4616:2005
BS EN 601:2004	Aluminum and aluminium alloys. Castings. Chemical composition of castings for use in contact with foodstuff	EN 601:2004
BS EN 60519-11:2007	Safety in electroheat installations. Particular requirements for installations using the effect of electromagnetic forces on liquid metals	11:2007; IEC 60519-11:2007
BS EN 710:1998	Safety requirements for foundry moulding and coremaking machinery and plant and associated equipment	EN 710:1997
BS EN 869:2006	Safety of machinery. Safety requirements for pressure metal diecasting units	EN 869:2006
BS EN 969:2009	Ductile iron pipes, fittings, accessories and their joints for gas pipelines. Requirements and test methods	EN 969:2009

BS EN ISO 11970:2007	Specification and approval of welding procedures for production welding of steel castings	EN ISO 11970:2007
BS EN ISO 14001:2004	Environmental management systems. Requirements with guidance for use	EN ISO 14001:2004
BS EN ISO 15614-3:2008	Specification and qualification of welding procedures for metallic materials. Welding procedure test. Fusion welding of non-alloyed and low-alloyed cast irons	EN ISO 15614-3:2008
BS EN ISO 15614-4:2005	Specification and qualification of welding procedures for metallic materials. Welding procedure test. Finishing welding of aluminium castings	4:2005, ISO 15614-4:2005
BS EN ISO 2081:2008	Metallic and other inorganic coatings. Electroplated coatings of zinc with supplementary treatments on iron or steel	EN ISO 2081:2008
BS EN ISO 2082:2008	Metallic coatings. Electroplated coatings of cadmium with supplementary treatments on iron or steel	EN ISO 2082:2008
BS EN ISO 3059:2001	Non-destructive testing. Penetrant testing and magnetic particle testing. Viewing conditions	EN ISO 3059:2001
BS EN ISO 8062-1:2007	Geometrical product specifications (GPS). Dimensional and geometrical tolerances for moulded parts. Vocabulary	EN ISO 8062-1:2007
BS EN ISO 8062-3:2007	Geometrical product specifications (GPS). Dimensional and geometrical tolerances for moulded parts. General dimensional and geometrical tolerances and machining allowances for castings	EN ISO 8062-3:2007, ISO 8062-3:2007
BS EN ISO 9001:2008	Quality management systems. Requirements	EN ISO 9001:2008
BS EN ISO 945-1:2008	Microstructure of cast irons. Graphite classification by visual analysis	EN ISO 945-1:2008
BS EN ISO 9934-1:2001	Non-destructive testing. Magnetic particle testing. General principles	EN ISO 9934-1:2001
BS EN ISO 9934-2:2002	Non-destructive testing. Magnetic particle testing. Detection media	EN ISO 9934-2:2002
BS EN ISO 9934-3:2002	Non-destructive testing. Magnetic particle testing. Equipment	EN ISO 9934-3:2002

BS ISO 11971:2008	Steel and iron castings. Visual examination of surface quality	ISO 11971:2008
BS ISO 14004:2004	Environmental management systems. General guidelines on principles, systems and supporting techniques	ISO 14004:2004
BS ISO 14050:2009	Environmental management. Vocabulary	ISO 14050:2009
BS ISO 14063:2006	Environmental management. Environmental communication. Guidelines and examples	ISO 14063:2006
BS ISO 15726:2009	Metallic coatings and other inorganic coatings. Electrodeposited zinc alloys with nickel, cobalt or iron	ISO 15726:2009
BS ISO 16220:2005	Magnesium and magnesium alloys. Magnesium alloy ingots and castings	ISO 16220:2005
BS ISO 16468:2005	Investment castings (steel,nickel alloys and cobalt alloys). General technical requirements	ISO 16468:2005
BS ISO 17804:2005	Founding. Ausferritic spheroidal graphite ausferrite cast iron. Classification	ISO 17804:2005
BS ISO 19959:2005	Visual examination of the surface condition of investment castings. Steel, nickel alloys and cobalt alloys	ISO 19959:2005
BS ISO 22962:2008	Titanium and titanium alloys. Determination of iron. Inductively coupled plasma atomic emission spectrometry	ISO 22962:2008
BS ISO 24233:2008	Tools for moulding. Tool specification sheet for diecasting dies	ISO 24233:2008
BS ISO 27831-1:2008	Metallic and other inorganic coatings. Cleaning and preparation of metal surfaces. Ferrous metals and alloys	ISO 27831-1:2008
BS ISO 27831-2:2008	Metallic and other inorganic coatings. Cleaning and preparation of metal surfaces. Non-ferrous metals and alloys	ISO 27831-2:2008
BS ISO 4381:2000	Plain bearings. Lead and tin casting alloys for multilayer plain bearings	ISO 4381:2000
BS ISO 4986	Steel and iron casting. Magnetic particle inspection	ISO/DIS 4986:2008
BS ISO 4987	Steel and iron castings. Liquid penetrant inspection	ISO/DIS 4987:2008

BS ISO 4992-1:2006	Steel castings. Ultrasonic examination. Steel castings for general purposes	ISO 4992-1:2006
BS ISO 4992-2:2006	Steel castings. Ultrasonic examination. Steel castings for highly stressed components	ISO 4992-2:2006
BS ISO 4993:2009	Steel and iron castings. Radiographic inspection	ISO 4993:2009
BS ISO 6279:2006	Plain bearings. Aluminium alloys for solid bearings	ISO 6279:2006
BS ISO 9588:2007	Metallic and other inorganic coatings. Post-coating treatments of iron or steel to reduce the risk of hydrogen embrittlement	ISO 9588:2007
BS L 173:1991	Specification for castings of aluminium-silicon-magnesium alloy, chill cast (solution treated and precipitation treated to an overaged (T7) condition)	
BS L 174:1991	Specification for castings of aluminium-silicon-magnesium alloy, sand cast (solution treated and precipitation treated to an overaged (T7) condition)	
BS OHSAS 18001:2007	Occupational health and safety management systems. Requirements	
DC95/560365	Implants for surgery. Metallic materials. Part 4. Cobalt-chromium-molybdenum casting alloy (ISO/DIS 5832-4)(Revision of draft British Standard BS 7252:Part 4)	
DC95/700786	Aluminium and aluminium alloys. Designation of unalloyed and alloyed aluminium ingots for remelting, master alloys and castings. Part 3. Writing rules for chemical composition (prEN 1780-3)	
DC95/700787	Magnesium and magnesium alloys. Magnesium alloys ingots and castings. General (prEN 1753)	
DC95/700788	Magnesium and magnesium alloys. Magnesium and magnesium alloy anodes, ingots and castings. Designation system (prEN 1754)	
DC95/705329	Founding. Technical conditions of delivery. Part 5. Additional requirements for magnesium alloy castings (prEN 1559-5)	
ISO11970 : 2001	Specification and approval of welding procedures for production welding of steel castings	
ISO13520 : 2002	Standard practice for the estimation of ferrite content in austenitic stainless steel castings	

ISO15201 : 2006 EDTN1	Zinc and zinc alloys - Castings - Specifications	
ISO15787 : 2001 EDTN 1	2001 Heat treatment of ferrous products Heat treated parts,presentation and indications in drawings	
ISO301 : 2006 EDTN2	Zinc alloy ingots intended for casting	
ISO4990 : 2003 EDTN 2	Steel castings - General technical delivery requirements	
ISO4991 : 2005 EDTN2	Steel castings for pressure purposes	
PD 6513:1985	Magnetic particle flaw detection. A guide to the principles and practice of applying magnetic particle flaw detection in accordance with BS 6072	
prEN 4800-8	Aerospace series. Titanium and titanium alloys. Technical specification. Part 8: Pre-production and production castings	prEN 4800-8:2001
WD/ISO16220 : 2000	Magnesium and magnesium alloys - Magnesium alloy ingots and castings	